SHARP

SERVICE MANUAL / SERVICE-ANLEITUNG / MANUEL DE SERVICE

S5581ST-207HS

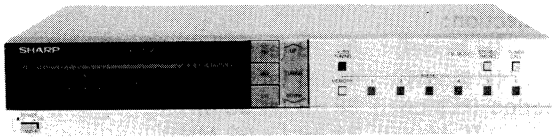

PHOTO: ST-207H(S)

ST-207H(S)(BK)
ST-207E(BK)

- In the interests of user-safety the set should be restored to its orignal condition and only parts identical to those specified be used.
- Im Interesse der Benutzer-Sicherheit sollte dieses Gerät wieder auf seinen ursprünglichen Zustand eingestellt und nur die vorgeschriebenen Teile verwendet werden.
- Dans l'intérêt de la sécurité de l'utilisateur, l'appareil devra être reconstitué dans sa condition première et seules des pièces identiques à celles spécifiées, doivent être utilisées.

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INHALTSVERZEICHNIS

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SHARP CORPORATION

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FOR A COMPLETE DESCRIPTION OF THE OPERATION OF THIS UNIT, PLEASE REFER TO THE OPERATION MANUAL.

SPECIFICATIONS

Power supply: (H Model)	AC 220 V, 50/60 Hz
(E Model)	AC 240 V, 50 Hz
Power consumption:	12W
Circuit:	Superheterodyne and PLL synthesizer tuning system, FM/MW/LW, 3-band tuner, multiplex FM stereo decoder, FM muting
Semiconductors:	1 Microcomputer
	4 ICs (Integrated Circuits)
	1 FET (Dual gate, MOS type)
	1 FET (Junction type)
(H Model)	36 Transistors
(E Model)	35 Transistors
(H Model)	54 Diodes
(E Model)	51 Diodes
(H Model)	4 Variable capacitance diodes (for FM)
(E Model)	3 Variable capacitance diodes (for FM)
	2 Variable capacitance diodes (for MW/LW)
	11 LEDs
Tuning range:	FM; 87.5 to 108.0 MHz
	MW; 522 to 1611 kHz
	LW; 150 to 353 kHz
Scan frequency:	FM; 50 kHz
	MW; 9 kHz
	LW; 9 kHz (Auto tuning)
	1 kHz (Manual tuning)
Sensitivity:	1.8 μV (at S/N 26 dB, 40 kHz deviation, 300 ohms)
Image rejection:	
(H Model)	80 dB (at 98 MHz)
(E Model)	47 dB (at 98 MHz)
IF rejection: (H Model)	88 dB (at 98 MHz)
(E Model)	78 dB (at 98 MHz)
S/N:	60 dB (40 kHz deviation)
Distortion:	FM Mono; 0.2 %
	FM Stereo; 0.3 %
	MW; 0.7 %
Stereo separation:	32 dB (at 1 kHz)
Quieting sensitivity:	MW; 350 μV/m
	LW; 350 μV/m
Dimensions:	Width; 330 mm (13")
	Height; 60 mm (2-3/8")
	Depth; 315 mm (12-13/32") (without loop antenna)
Weight:	2.1 kg (4.6 lbs.)

Specifications for this model are subject to change without prior notice.

NAMES OF PARTS

1. Power Switch
2. FM Stereo Indicator
3. Tuning Frequency and Band Display
4. Band Selector Switches
5. Auto Tuning Switch
6. FM Mode Switch
7. Tuner Call Button
8. Signal Strength Indicators
9. Tuning Control
10. Preset Station Memory Button
11. Preset Tuning Buttons and Indicators
12. External FM Antenna
13. External MW/LW Antenna Terminals
14. MW/LW Antenna Selector Switch
15. Reset Button
16. AC Power Supply Cord

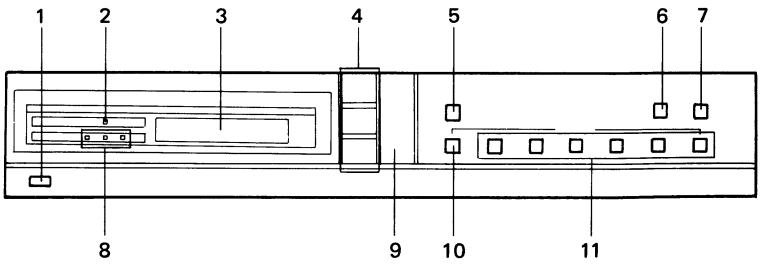

Figure 2–1

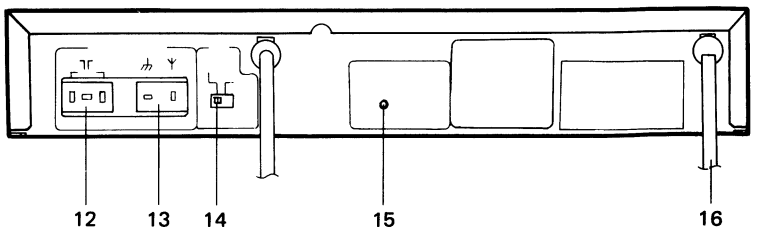

Figure 2–2

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EINE VOLLSTÄNDIGE BESCHREIBUNG DER BEDIENUNG DIESES GERÄTES IST IN DER BEDIENUNGSANLEITUNG ENTHALTEN.

TECHNISCHE DATEN

Spannungsversorgung:	220 V Netzspannung, 50/60 Hz
Leistungsaufnahme:	12 W
Schaltung:	Superhet und PLL-Synthesizer-Abstimmsystem, UKW/MW/LW-3 Band-Tuner, Multiplex-UKW-Stereo-Decoder, UKW-Stummabstimmung
Bestückung:	1 Mikrocomputer 4 integrierte Schaltkreise 1 Feldeffekttransistor (2 Steuerelektroden, MOS-Typ) 1 Feldeffekttransistor (Sperrschicht-Typ) 36 Transistoren 54 Dioden 4 Dioden mit regelbarer Kapazität (für UKW) 2 Dioden mit regelbarer Kapazität (für MW/LW) 11 Leuchtdioden
Empfangsbereiche:	UKW; 87,5 bis 108,0 MHz MW; 522 bis 1611 kHz LW; 150 bis 353 kHz
Abtastfrequenzschritte:	UKW; 50 kHz MW; 9 kHz LW; 9 kHz (Automatische Abstimmung) 1 kHz (Manuelle Abstimmung)
Empfindlichkeit:	1,8 μV(bei 26 dB Rauschabstand, 40 kHz Hub, 300 Ohm)
Spiegelselektion:	80 dB (bei 98 MHz)
ZF-Festigkeit:	88 dB (bei 98 MHz)
Rauschabstand:	60 dB (40 kHz Hub)
Klirrfaktor:	UKW-Mono; 0,2 % UKW-Stereo; 0,3 % MW; 0,7 %
Stereo-Kanaltrennung:	32 dB (bei 1 kHz)
Empfindlichkeitsschwelle:	MW; 350 μV/m LW; 350 μV/m
Abmessungen:	Breite; 330 mm Höhe; 60 mm Tiefe; 315 mm (ohne Ragmenantenne)
Gewicht:	2,1 kg

Die technischen Daten für dieses Modell können ohne vorherige Ankündigung Änderungen unterworfen sein.

BEZEICHNUNG DER TEILE

1. Netzschalter
2. UKW-Stereoanzeige
3. Abstimmfrequenz- und Wellenbereichsanzeige
4. Wellenbereichswahlschalter
5. Autoabstimmschalter
6. UKW-Betriebsartenschalter
7. Tuner-Abruftaste
8. Feldstärkeanzeige
9. Abstimmsteller
10. Festsenderspeichertaste
11. Vorabstimmtasten und -anzeigen
12. UKW-Außenantennen-anschlüsse
13. MW/LW-Außenantennen-anschlüsse
14. MW/LW-Antennen-wahlschalter
15. Rückstelltaste
16. Netzkabel

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POUR LA DESCRIPTION COMPLÈTE DU FONCTIONNEMENT DE CET APPAREIL, SE REPORTER AU MODE D'EMPLOI.

CARACTÉRISTIQUES

Alimentation:	220V CA, 50/60 Hz
Consommation:	12W
Circuits:	Système d'accord à synthétiseur PLL et superhétérodyne, tuner à 3 bandes FM/PO/GO, décodeur FM stéréo multiplex, réglage silencieux FM
Semi-conducteurs:	1 Micro-ordinateur 4 Circuits intégrés 1 Transistor à effet de champ (Double barrière, type à semi-conducteur à oxyde de métal) 1 Transistor à effet de champ (de type à jonction) 36 Transistors 54 Diodes 4 Diodes à capacitance variable (pour FM) 2 Diodes à capacitance variable (pour PO/GO) 11 Diodes électroluminescentes
Plage d'accord:	FM; 87,5 à 108,0 MHz PO; 522 à 1611 kHz GO; 150 à 353 kHz
Fréquence de balayage:	FM; 50 kHz PO; 9 kHz GO; 9 kHz (Accord automatique) 1 kHz (Accord manual)
Sensibilité:	1,8 μV (à un signal/bruit de 26 dB, déviation de 40 kHz, 300 ohms)
Réjection d'image:	80 dB (à 98 MHz)
Réjection de fréquences intermédiaires:	88 dB (à 98 MHz)
Signal/Bruit:	60 dB (déviation de 40 kHz)
Distorsion:	FM Mono; 0,2 % FM Stéréo; 0,3 % PO; 0,7 %
Séparation stéréo:	32 dB (à 1 kHz)
Sensibilité de seuil:	PO; 350 μV/m GO; 350 μV/m
Dimensions:	Largeur; 330 mm Hauteur; 60 mm Profondeur; 315 mm (sans cadre)
Poids:	2,1 kg

Les caractéristiques de ce modèle sont sujettes à modification sans préavis.

NOMENCLATURE

1. Commutateur d'alimentation
2. Témoin de FM stéréo
3. Fréquence d'accord et Affichage de bande
4. Commutateur de sélection de gamme d'ondes
5. Commutateur d'accord automatique
6. Commutateur de mode FM
7. Bouton d'appel de tuner
8. Témoins d'intensité de signal
9. Commande d'accord
10. Bouton de mémorisation des stations préréglées
11. Témoins et boutons d'accord préréglé
12. Bornes d'antenne externe FM
13. Bornes d'antenne externe PO/GO
14. Commutateur de sélection d'antenne PO/GO
15. Bouton de réenclenchement
16. Cordon d'alimentation

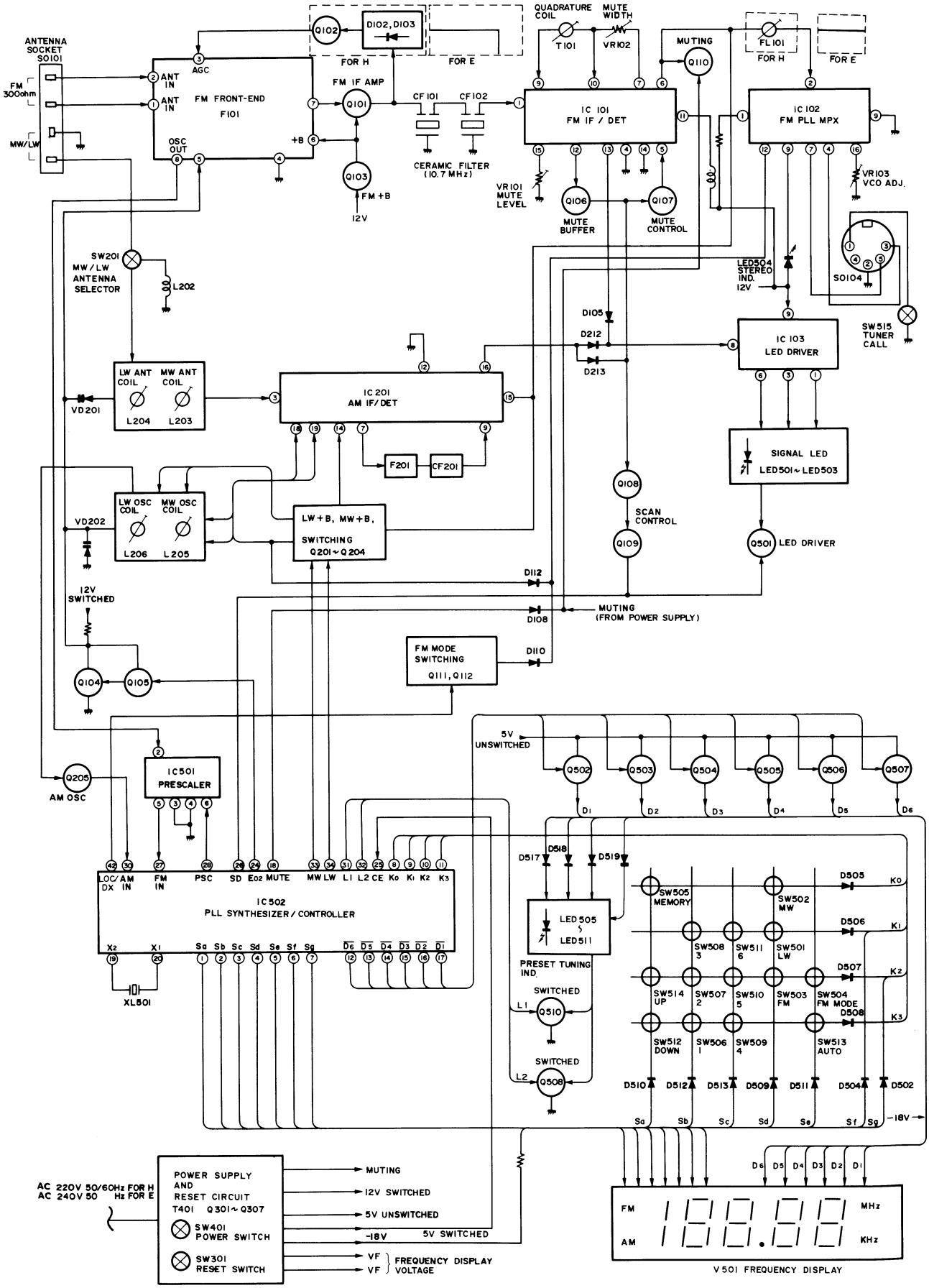

Figure 4 BLOCK DIAGRAM

Ⓔ DISASSEMBLY

Caution on Disassembly
Follow the below-mentioned notes when disassembling the unit and reassembling it, to keep its safety and excellent performance:
1. Be sure to remove the power supply plug from the wall outlet before starting to disassemble the unit.
2. Take off nylon bands or wire holders where they need be removed when disassembling the unit. After servicing the unit, be sure to rearrange the leads where they were before disassembling.
3. Take sufficient care on static electricity of integrated circuits and other circuits when servicing.

STEP	REMOVAL	PROCEDURE	FIGURE
1	Cabinet	1. Screw . . . . . .(A)x5	5–1
2	Front Panel	1. Screw . . . . . .(B)x5 2. Hook . . . . . .(C)x1	5–2
3	Main P.W.B.	1. Screw . . . . . .(D)x4 2. Socket . . . . . .(E)x2 3. Unconnect the plate wire . . . . .(F)x3	5–3
4	Control P.W.B.	1. Screw . . . . . .(G)x1 2. Hook . . . . . .(H)x7	5–4

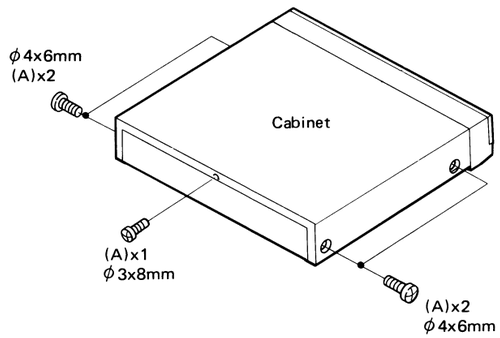

Figure 5–1

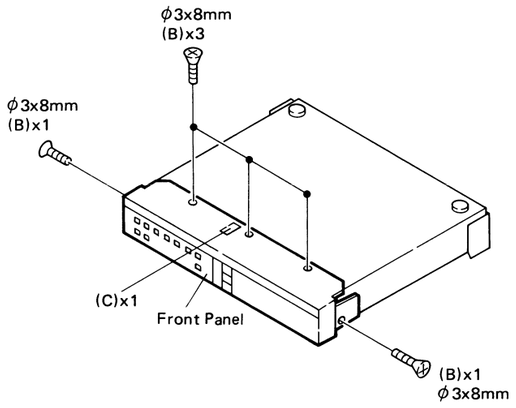

Figure 5–2

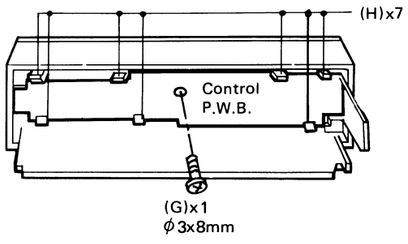

Figure 5–4

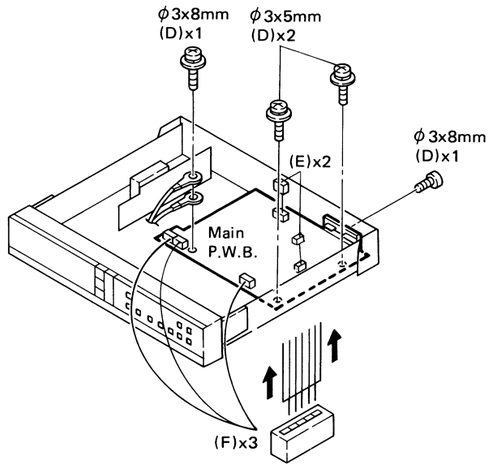

Figure 5–3

Ⓓ ZERLEGEN

Vorsichtsmassregeln für das Zerlegen
Beim Zerlegen und Zusammenbauen des Gerätes die folgenden Anweisungen befolgen, um dessen Betriebssicherheit und ausgezeichnete Leistung aufrechtzuerhalten.
1. Bevor mit dem Zerlegen des Gerätes begonnen wird, unbedingt den Netzkabelstecker aus der Netzsteckdose ziehen.
2. Nylonbänder oder Leitungshalter entfernen, falls dies beim Zerlegen des Gerätes erforderlich ist. Nach Warten des Gerätes darauf achten, die Leitungen wieder so zu verlegen, wie sie vor dem Zerlegen angeordnet waren.
3. Beim Ausführen von Wartungsarbeiten auf statische Elektrizität der integrierten Schaltkreise und anderen Schaltungen achten.

SCHRITT	ENTFERNEN	VERFAHREN	ABBILDUNG
1	Gehäuse	1. Schraube . . .(A)x5	5–1
2	Frontplatte	1. Schraube . . .(B)x5 2. Haken . . . .(C)x1	5–2
3	Hauptleiterplatte	1. Schraube . . .(D)x4 2. Buchse . . . .(E)x2 3. Den Flachdraht trennen . . .(F)x3	5–3
4	Steuerungleiterplatte	1. Schraube . . .(G)x1 2. Haken . . . .(H)x7	5–4

Ⓕ DÉMONTAGE

Précautions pour le démontage
Lors du démontage de l'appareil et de son remontage, suivre les précautions ci-dessous, pour maintenir la sécurité et d'excellentes performances.
1. S'assurer de retirer la fiche d'alimentation secteur de la prise murale avant de démarrer le démontage de l'appareil.
2. Déposer les bandes de nylon ou les serre-câbles si nécessaire lors du démontage de l'appareil. Après la réparation de l'appareil, s'assurer de redisposer les fils tel qu'ils étaient avant le démontage.
3. Faire attention à l'électricité statique des circuits intégrés et des autres circuits lors de la réparation.

ÉTAPE	DÉPOSE	PROCÉDÉ	FIGURE
1	Coffret	1. Vis . . . . . .(A)x5	5–1
2	Coffret	1. Vis . . . . . .(B)x5 2. Crochet. . . . . .(C)x1	5–2
3	PMI principale	1. Vis . . . . . .(D)x4 2. Douille . . . . . .(E)x2 3. Débrancher le fil plat . . . . . .(F)x3	5–3
4	PMI de commande	1. Vis . . . . . .(G)x1 2. Crochet. . . . . .(H)x7	5–4

Ⓔ CIRCUIT ADJUSTMENT

AM/RF ADJUSTMENT

SIGNAL GENERATOR		400 Hz, 30%, AM modulated			
STEP	TEST STAGE	FRE-QUENCY	FRE-QUENCY DISPLAY	AD-JUST-MENT	REMARKS
AM IF					
1	IF	450 kHz	1611 kHz	T201 T202	Adjust for best "IF" curve.
MW RF					
2	Band coverage	No signal generator is used.	522 kHz	L205	1.0±0.1V
3			1611 kHz	TC203	8.0±0.1V
4	Repeat steps 2 and 3 until no further improvement can be made.				
5	Tracking	612 kHz	612 kHz	L203	Adjust for maximal output.
6		1404 kHz	1404 kHz	TC201	
7	Repeat steps 5 and 6 until no further improvement can be made.				
LW RF					
8	Band coverage	No signal generator is used.	150 kHz	L206	1.6±0.1V
9			353 kHz	TC204	7.5±0.2V
10	Repeat steps 8 and 9 until no further improvement can be made.				
11	Tracking	173 kHz	173 kHz	L204	Adjust for maximal output.
12		317 kHz	317 kHz	TC202	
13	Repeat steps 11 and 12 until no further improvement can be made.				

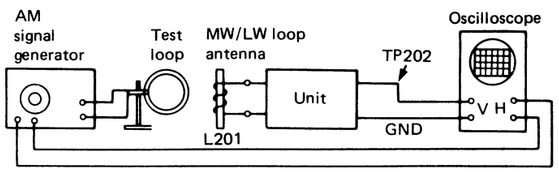

Figure 7–1 AM IF

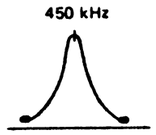

Figure 7–2 AM IF CURVE

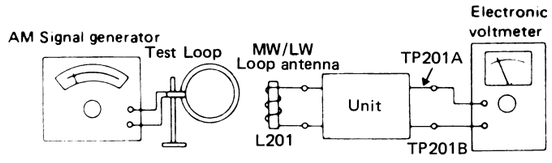

Figure 7–3 AM RF

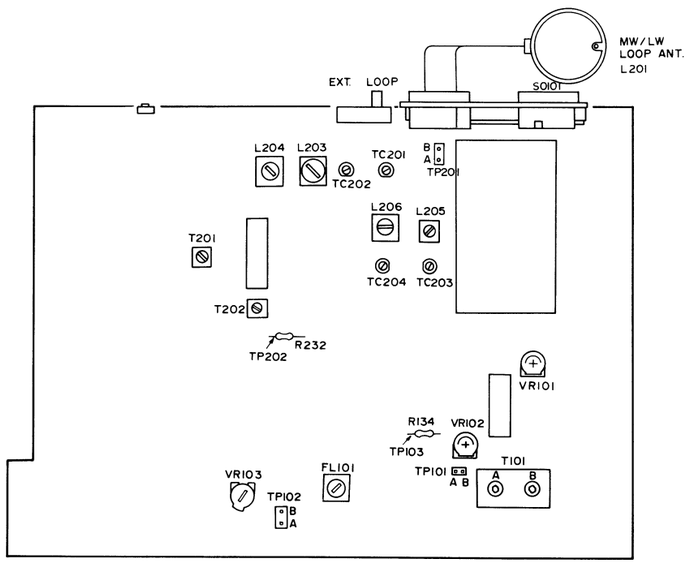

Figure 7–4 ADJUSTMENT POINTS

Ⓓ SCHALTUNGSEINSTELLUNG

MW/LW ZF/HF-EINSTELLUNG

SIGNAL-GENERATOR		400 Hz, 30%, AM-Modulation			
SCHRITT	PRÜFSTUFE	FREQUENZ	FREQUENZANZEIGE	EINSTELLUNG	BEMERKUNGEN
MW ZF					
1	ZF	450 kHz	1 611 kHz	T201 T202	Auf beste ZF-Kurve einstellen.
MW HF					
2	Frequenzbereich	Kein signalgenerator wird verwendet.	522 kHz	L205	1,0 ± 0,1V
3			1 611 kHz	TC203	8,0 ± 0,1V
4	Die Schritte 2 und 3 wiederholen, bis keine weitere Verbesserung möglich ist.				
5	Gleichlauf	612 kHz	612 kHz	L203	Auf maximalen Ausgang einstellen.
6		1 404 kHz	1 404 kHz	TC201	
7	Die Schritte 5 und 6 wiederholen, bis keine weitere Verbesserung möglich ist.				
LW HF					
8	Frequenzbereich	Kein signalgenerator wird verwendet.	150 kHz	L206	1,6 ± 0,1V
9			353 kHz	TC204	7,5 ± 0,2V
10	Die Schritte 8 und 9 wiederholen, bis keine weitere Verbesserung möglich ist.				
11	Gleichlauf	173 kHz	173 kHz	L204	Auf maximalen Ausgang einstellen.
12		317 kHz	317 kHz	TC202	
13	Die Schritte 11 und 12 wiederholen, bis keine weitere Verbesserung möglich ist.				

Ⓕ RÉGLAGE DU CIRCUIT

REGLAGE DE FI/RF PO/GO

GÉNÉRATEUR DE SIGNAUX		400 Hz, 30% modulé AM			
ÉTAPE	ÉTAGE D'ESSAI	PRÉ-QUENCE	AFFICHAGE DE FRE-QUENCE	RÉ-GLAGE	REMARQUES
FI PO					
1	FI	450 kHz	1 611 kHz	T201 T202	Régler sur la meilleure courbe "FI".
RF PO					
2	Étendue de gamme d'ondes	Pas de générateur de signal utilisé.	522 kHz	L205	1,0 ± 0,1V
3			1 611 kHz	TC203	8,0 ± 0,1V
4	Refaire les étapes 2 et 3 jusqu'à ce qu'une amélioration ultérieure ne puisse plus être obtenue.				
5	Alignement	612 kHz	612 kHz	L203	Régler sur la sortie maximale.
6		1 404 kHz	1 404 kHz	TC201	
7	Refaire les étapes 5 et 6 jusqu'à ce qu'une amélioration ultérieure ne puisse plus être obtenue.				
RF GO					
8	Étendur de gamme d'ondes	Pas de générateur de signal utilisé.	150 kHz	L206	1,6 ± 0,1V
9			353 kHz	TC204	7,5 ± 0,2V
10	Refaire les étapes 8 et 9 jusqu'à ce qu'une amélioration ultérieure ne puisse plus être obtenue.				
11	Alignement	173 kHz	173 kHz	L204	Régler sur la sortie maximale.
12		317 kHz	317 kHz	TC202	
13	Refaire les étapes 11 et 12 jusqu'à ce qu'une amélioration ultérieure ne puisse plus être obtenue.				

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FM RF ADJUSTMENT

Note:

1: Description of the "FM IF Adjustment" is not carried in this Manual. It is because the IF coil in the FM front end section has been best adjusted in the factory so that its further adjustment is not needed at the field. When replacing the FM front end assembly, no adjustment is needed either.

2: The parts in the FM front end section are prepared in a complete unit, so you can't obtain each part individually.

SWITCH POSITION		FM mono			
SIGNAL GENERATOR		1 kHz, 40 kHz dev., FM modulated			
STEP	TEST STAGE	FREQUENCY	FREQUENCY DISPLAY	ADJUSTMENT	REMARKS
1	Detection	10.7 MHz	108.00MHz	T101A,B	Adjust for best "S" curve.
2	Voltage	98.0 MHz 60 dB	98.00 MHz	T101A	0 ± 50 mV
3	Distortion	98.0 MHz 60 dB	98.00 MHz	T101B	Adjust for minimum distortion.
4	Repeat steps 2, 3 until no further improvement can be made.				

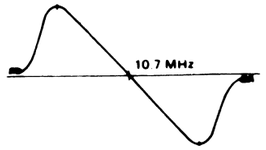


Figure 9–1 FM "S" CURVE

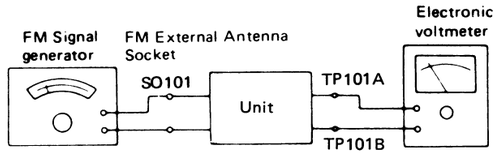


Figure 9–2 FM RF

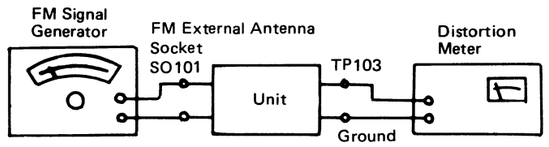


Figure 9–3 FM DISTORTION

FM VCO/MUTING ADJUSTMENT

1. Adjust the receiving frequency band to FM.
2. Set the FM signal generator to produce an FM-modulated signal of 1 kHz, 40 kHz dev.

STEP	TEST STAGE	FEQUENCY	FREQUENCY DISPLAY	ADJUSTMENT	REMARKS
1	VCO	98.00 MHz, 60 dB (Mono signal)	98.00 MHz	VR103	Adjust so that the frequency counter reads 76.00 kHz ±76 Hz
2	Muting level	98.00 MHz (23 dB)	98.00 MHz	VR101	Adjust so that an output signal appears.
3	Muting width	98.028 MHz (60 dB)	98.00 MHz	VR102	Adjust so the an output signal disappears.

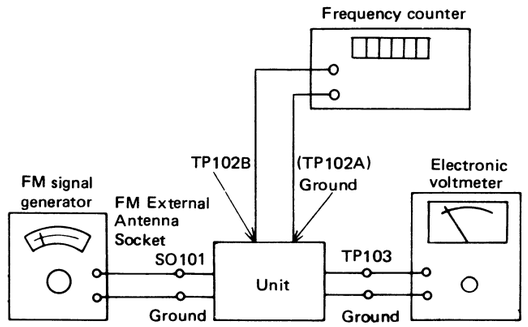


Figure 9–4

Ⓓ

UKW-ZF/HF-EINSTELLUNG

Zur Beachtung:

1. Beschreibung der "UKW-ZF-Einstellung" ist in dieser Anleitung nicht gebracht. Weil die ZF-Spule im UKW-Eingangsstufenteil in der Fabrik schon gut eingestellt worden ist, ist es nicht erforderlich, diese an Ort und Stelle ferner einzustellen.
   Die Einstellung ist auch bei der Auswechslung der UKW-Eingangsstufeneinheit nicht benötigt.
2. Die Teile im UKW-Eingangsstufenteil sind in einer kompletten Einheit vorbereitet. Sie können jeden Teil einzeln nicht erhalten.

SCHALTER-STELLUNG		FM mono			
SIGNAL-GENERATOR		1 kHz, 40 kHz dev., UKW-Modulation			
SCHRITT	PRÜFSTUFE	FREQUENZ	FREQUENZANZEIGE	EINSTELLUNG	BEMERKUNGEN
1	Detektion	10,7 MHz	108,00 MHz	T101A,B	Auf beste S-Kurve einstellen.
2	Spannung	98,0 MHz 60 dB	98,00 MHz	T101A	0 ± 50 mV
3	Verzerrung	98,0 MHz 60 dB	98,00 MHz	T101B	Auf minimum Verzerrung einstellen.
4	Die Schritte 2 und 3 wiederholen, bis keine weitere Verbesserung möglich ist.				

UKW VCO-/TONDÄMPFUNGSEINSTELLUNG

- Die Empfangsfrequenz auf das UKW-Wellenband einstellen.
- Den UKW-Signalgenerator auf Erzeugung eines Signals von 1 kHz, 40 kHz Abweichung einstellen.

SCHRITT	PRÜFSTUFE	FREQUENZ	FREQUENZANZEIGE	EINSTELLUNG	BEMERKUNGEN
1	VCO	98,00 MHz 60 dB (Mono-Signal)	98,00 MHz	VR103	So einstellen, daß der Frequenzzähler 76,00 kHz ±76 Hz Hz anzeigt.
2	Tondämpfungspegel	98,00 MHz (23 dB)	98,00 MHz	VR101	So einstellen, daß ein Ausgangssignal austreten kann.
3	Tondämpfungsbreite	98,028 MHz (60 dB)	98,00 MHz	VR102	So einstellen, daß ein Ausgangssignal austreten kann.

Ⓕ

RÉGLAGE DE FI/RF FM

Note:

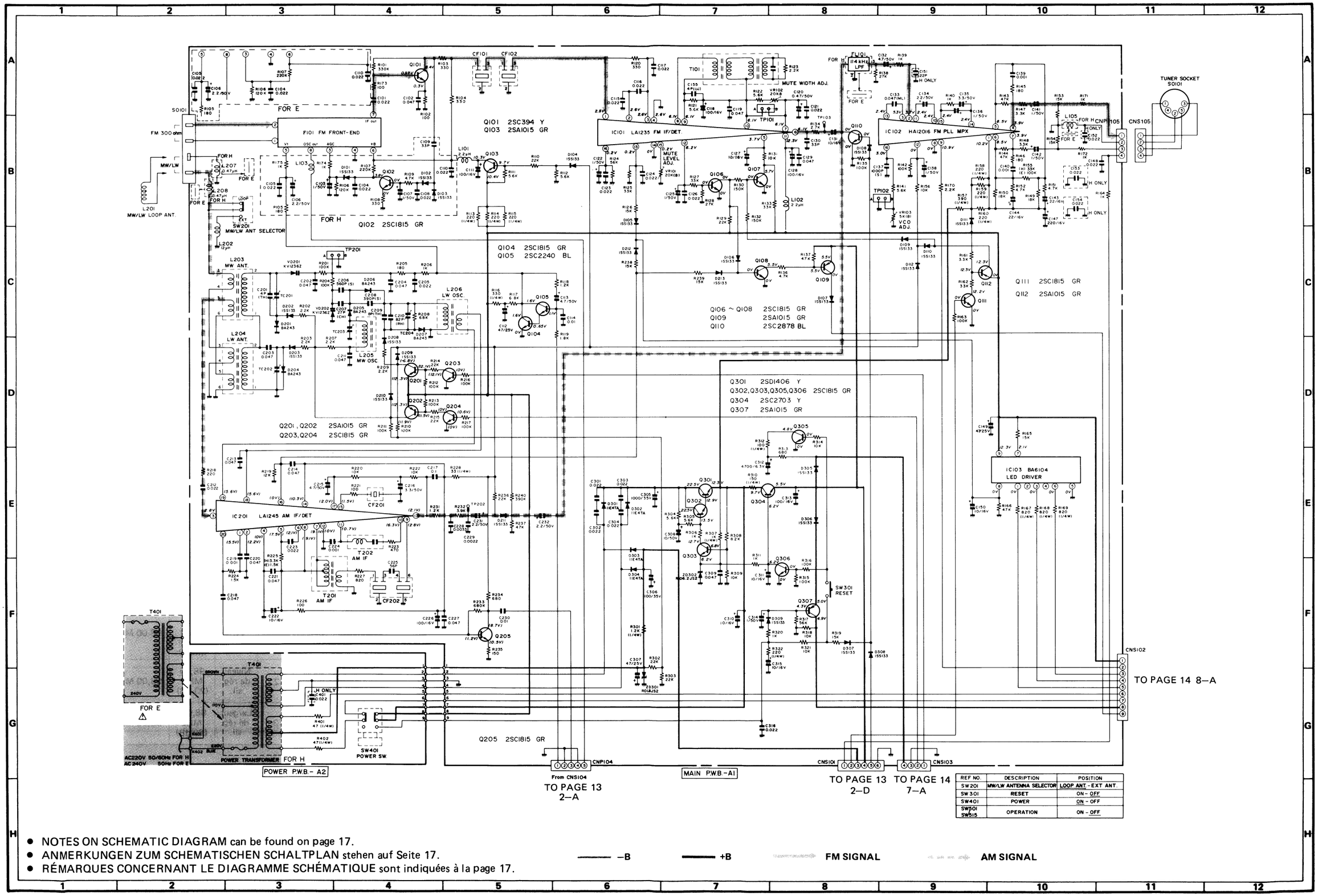
1. La description du "Réglage FM IF" ne se trouve pas dans ce Manuel. Car la bobine IF dans la section de l'extrémité avant FM a été si bien réglée à l'usine qu'elle ne nécessite un réglage ultérieur. Il n'est donc pas nécessaire de la régler même si l'on remplace l'ensemble de l'extrémité avant FM.
2. Les pièces utilisées dans la section de l'extrémité avant FM sont préparées dans une unité complète, aussi on ne peut pas les obtenir séparément.

POSITION DU COMMUTATEUR		FM mono			
GÉNÉRATEUR DE SIGNAUX		1 kHz, 40 kHz dev., modulé FM			
ÉTAPE	ÉTAGE D'ESSAI	FRÉQUENCE	AFFICHAGE DE FREQUENCE	RÉGLAGE	REMARQUES
1	Détection	10,7 MHz	108,00 MHz	T101A,B	Régler sur la meilleure courbe "S".
2	Tension	98,0 MHz 60 dB	98,00 MHz	T101A	0 ± 50 mV
3	Distorsion	98,0 MHz 60 dB	98,00 MHz	T101B	Régler sur la distorsion minimale.
4	Refaire les étapes 2 et 3 jusqu'à ce qu'une amélioration ultérieure ne puisse plus être obtenue.				

RÉGLAGE DE VCO FM/RÉGLAGE SILENCIEUX

- Régler la gamme de fréquence de réception sur FM.
- Régler le générateur de signal FM pour produire un signal modulé FM de 1 kHz, à 40 kHz de déviation.

ETAPE	ETAGE D'ESSAI	FREQUENCE	AFFICHAGE DE FREQUENCE	REGLAGE	REMARQUES
1	VCO	98,00 MHz, 60 dB (Signal mono)	98,00 MHz	VR103	Régler pour que le fréquencemètre indique 76,00 kHz ±76 Hz.
2	Niveau de rég. sil.	98,00 MHz (23 dB)	98,00 MHz	VR101	Régler pour qu'un signal de sortie apparaisse.
3	Largeur de rég. sil.	98,028 MHz (60 dB)	98,00 MHz	VR102	Régler pour qu'un signal de sortie apparaisse.

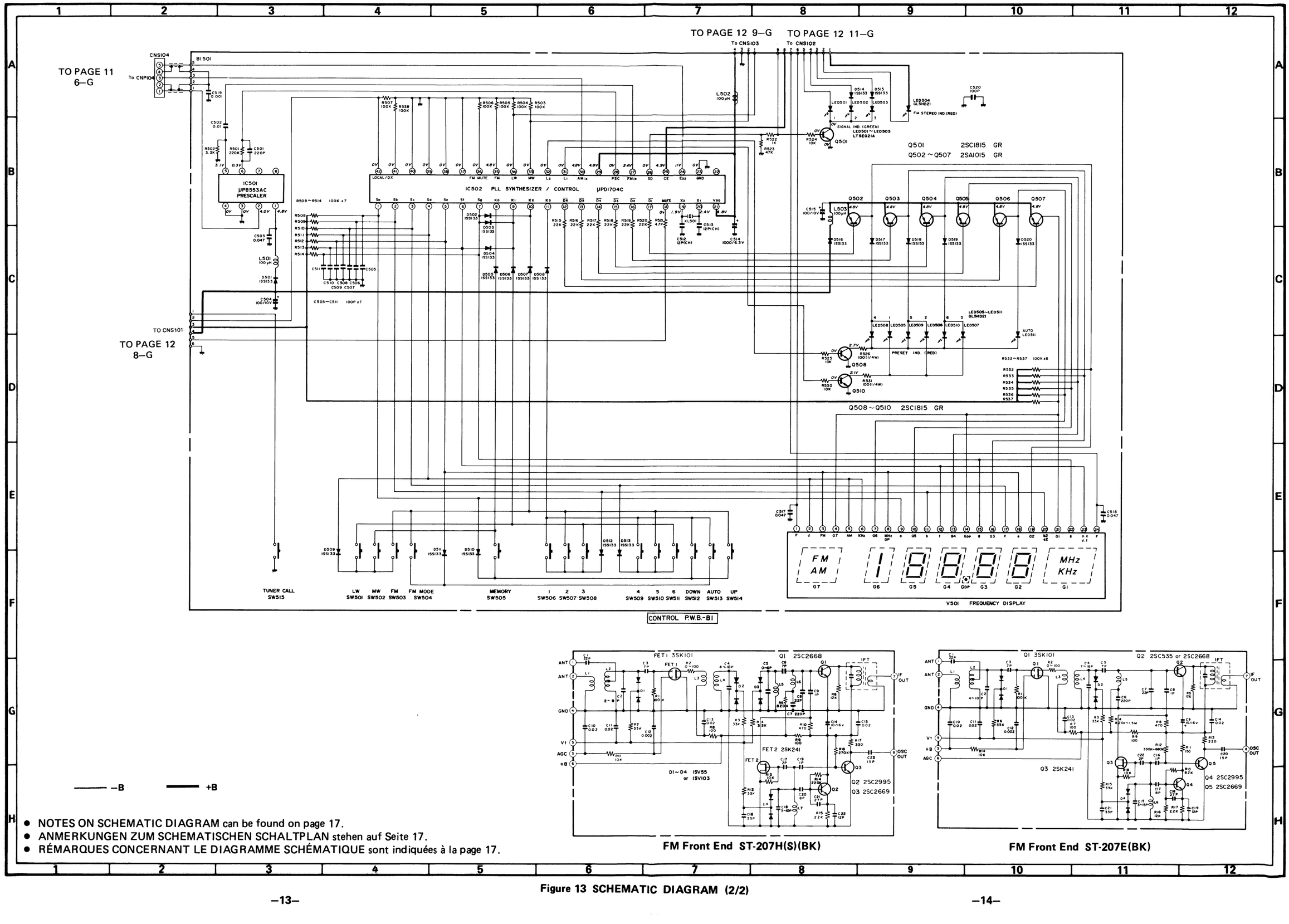


REF. NO.	DESCRIPTION	POSITION
SW201	MW/LW ANTENNA SELECTOR	LOOP ANT. – EXT ANT.
SW301	RESET	ON – OFF
SW401	POWER	ON – OFF
SW501 SW515	OPERATION	ON – OFF

- NOTES ON SCHEMATIC DIAGRAM can be found on page 17.
- ANMERKUNGEN ZUM SCHEMATISCHEN SCHALTPLAN stehen auf Seite 17.
- RÉMARQUES CONCERNANT LE DIAGRAMME SCHÉMATIQUE sont indiquées à la page 17.

—— –B ▬▬ +B FM SIGNAL AM SIGNAL

Figure 11 SCHEMATIC DIAGRAM (1/2)


TO PAGE 11 6–G
TO PAGE 12 8–G
TO PAGE 12 9–G
TO PAGE 12 11–G
To CNP104
To CNS101
To CNS103
To CNS102
IC501 μPB553AC PRESCALER
IC502 PLL SYNTHESIZER / CONTROL μPD1704C
Q501 2SC1815 GR
Q502 ~ Q507 2SA1015 GR
Q508 ~ Q510 2SC1815 GR
SIGNAL IND. (GREEN) LED501 ~ LED503 LTS6021A
FM STEREO IND (RED)
PRESET IND. (RED)
AUTO LED511
TUNER CALL SW515
LW SW501 MW SW502 FM SW503 FM MODE SW504
MEMORY SW505
1 SW506 2 SW507 3 SW508
4 SW509 5 SW510 6 SW511 DOWN SW512 AUTO SW513 UP SW514
FM AM MHz KHz
V501 FREQUENCY DISPLAY
CONTROL P.W.B.-BI
—— –B ▬▬ +B

- NOTES ON SCHEMATIC DIAGRAM can be found on page 17.
- ANMERKUNGEN ZUM SCHEMATISCHEN SCHALTPLAN stehen Auf Seite 17.
- RÉMARQUES CONCERNANT LE DIAGRAMME SCHÉMATIQUE sont indiquées à la page 17.

FM Front End ST-207H(S)(BK)

FM Front End ST-207E(BK)

Figure 13 SCHEMATIC DIAGRAM (2/2)

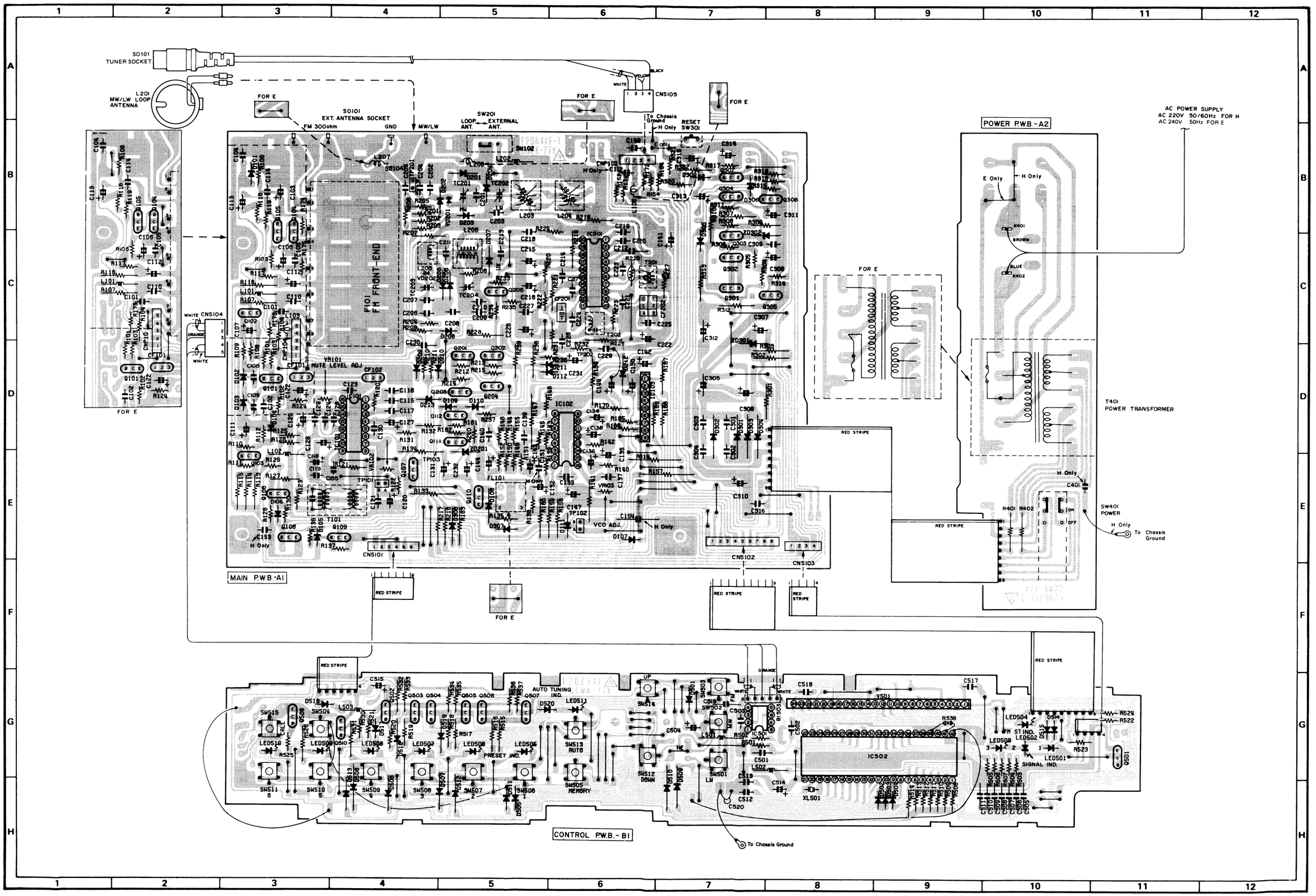


Figure 15 WIRING SIDE OF P.W. BOARD

(E) NOTES ON SCHEMATIC DIAGRAM

- Resistor:
  To differentiate the units of resisitors, such symbol as K and M are used: the symbol K means 1000 ohm, the symbol M means 1000 kohm and the resistor without any symbol is ohm-type resistor.
- Capacitor:
  To indicate the unit of capacitor, a symbol P is used: this symbol P means micro-micro-farad and the unit of the capacitor without such a symbol is microfarad. As to electrolytic capacitor, the expression "capacitance/withstand voltage" is used.
  (CH), (RH), (TH), (UJ): Temperature compensation
- To indicated voltage in each section is the one measured by Digital Multimeter between such a section and the chassis with no signal given.
- Schematic diagram and Wiring Side of P.W.Board for this model are subject to change for improvement without prior notice.
- Parts marked with "⚠" (▒▒) are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

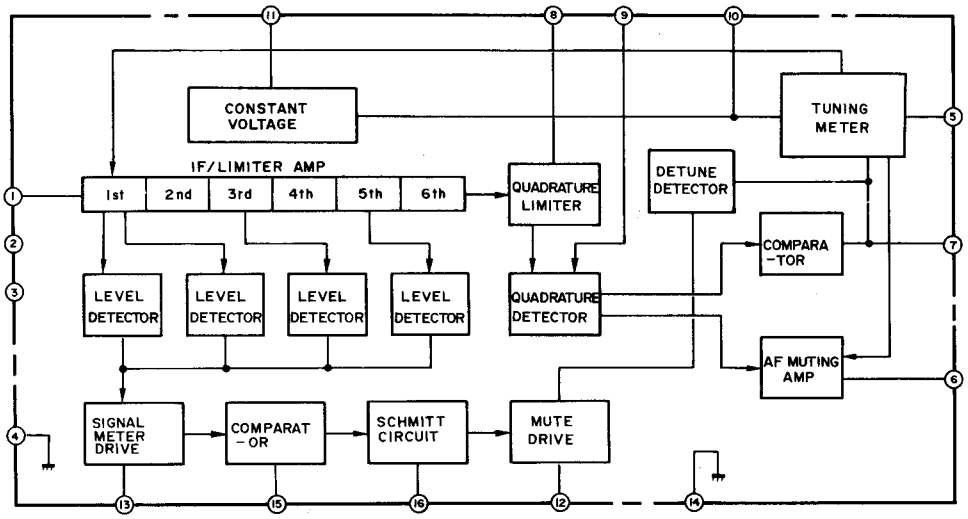
(D) ANMERKUNGEN ZUM SCHEMATISCHEN SCHALTPLAN

- Widerstände:
  Um die Einheiten der Widerstände unterscheiden zu können, werden Symbole wie K und M benutzt. Das Symbol K bedeutet 1000 Ohm und das Symbol M 1000 Kiloohm. Bei Widerständen ohne Symbol handelt es sich um ohmsche Widerstände.
- Kondensatoren:
  Zum Bezeichnen der Kondensatoreinheit wird das Symbol P benutzt; dieses Symbol P bedeutet Nanofarad. Die Einheit eines Kondensators ohne Symbol ist Mikrofarad. Für Elektrolytkondensatoren wird die Bezeichnung "Kapazität/Stehspannung" benutzt.
  (CH), (RH), (TH), (UJ): Wärmeausgleich
- Die in den einzelnen Teilen angegebenen Spannungen werden mit einem Digitalvielfachmeßgerät zwischen dem betreffen den Teil und dem Chassis ohne Signalzuleitung gemessen.
- Änderungen des schematischen Schaltplans und der Verdrahtungsseite der Leiterplatte für dieses Modell im Sinne von Verbesserungen jederzeit vorbehalten.
- Die mit ⚠ (▒▒) bezeichneten Teile sind besonders wichtig für die Aufrechterhaltung der Sicherheit. Beim Wechseln dieser Teile sollten die vorgeschriebenen Teile immer verwendet werden, um sowohl die Sicherherheit als such die Leistung des Gerätes aufrechtzuerhalten.

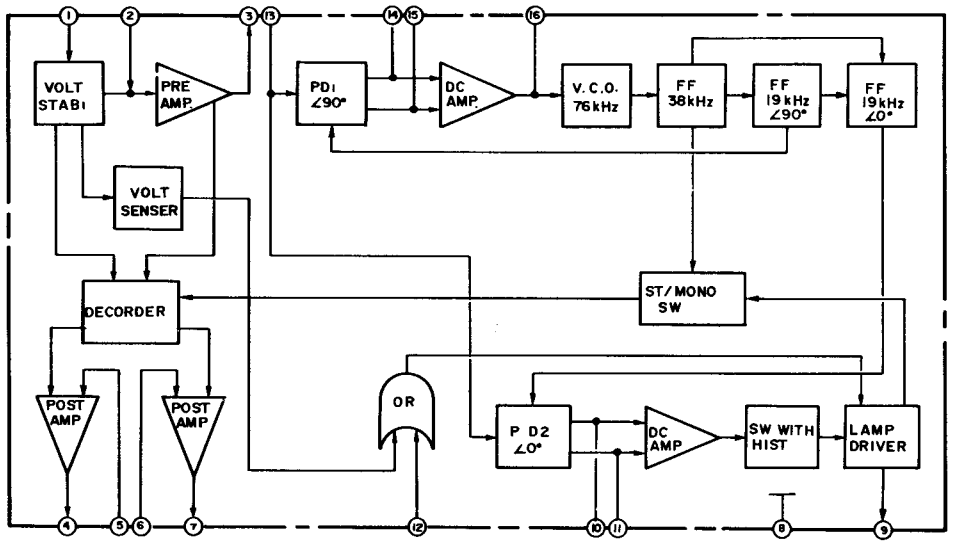
(F) REMARQUES CONCERNANT LE DIAGRAMME SCHÉMATIQUE

- Résistance:
  Pour différencier les unités de résistances, on utilise des symbole tels que K et M le symbole K signifie 1000 ohms, le symbole M signifie 1000 K ohms et la résistance donnée sans symbole est une résistance de type ohm.
- Condensateur:
  Pour indiquer l'unité de condensateur, on utilise le symbole P; ce symbole P signifie micro-microfarad, et l'unité de condensateur donnée sans ce symbole est le microfarad. En ce qui concerne le condensateur électrolytique, on utilise l'expression "tension de régime/capacité"
  (CH), (RH), (TH), (UJ): Compensation thermique
- La tension indiquée dans chaque section est celle mesuree par un multimètre numérique entre la section en question et le châssis, en l'absence de tout signal.
- Le diagramme schématique et le côté câblage de la PMI de ce modèle sont sujets à modifications sans préavis pour l'amélioration de ce produit.
- Les pièces portant la marque ⚠ (▒▒) sont particulièrement importantes pour le maintien de la sécurité. S'assurer de les remplacer par des pièces du numéro de pièce spécifié pour maintenir la sécurité et la performance de l'appareil.

LA1235



HA12016



LA1245

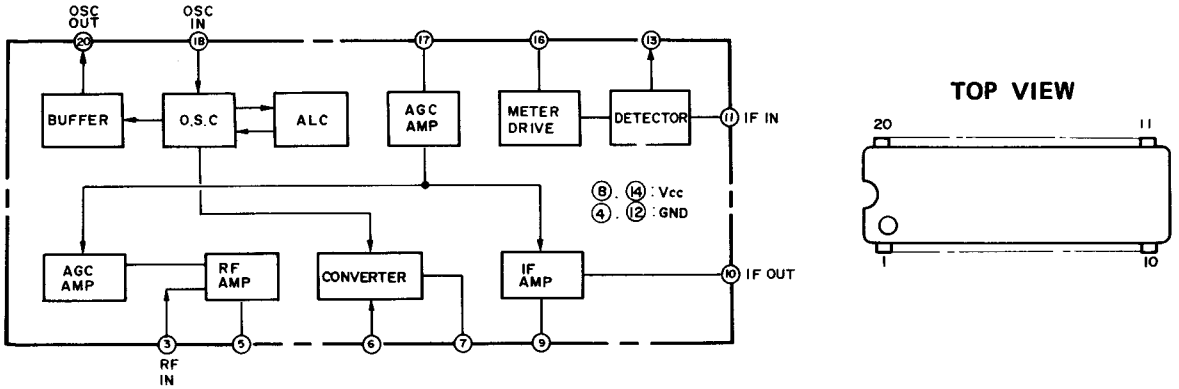
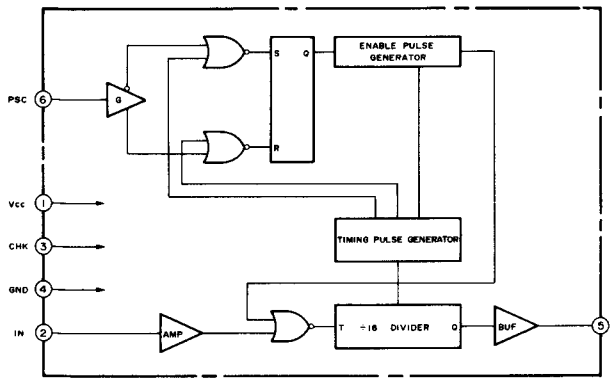


Figure 18 EQUIVALENT (BLOCK DIAGRAM) OF IC

μPD553AC



BA6104

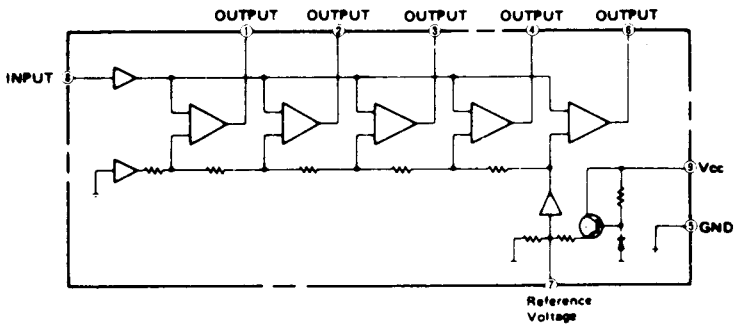


Figure 19–1 EQUIVALENT (BLOCK DIAGRAM) OF IC

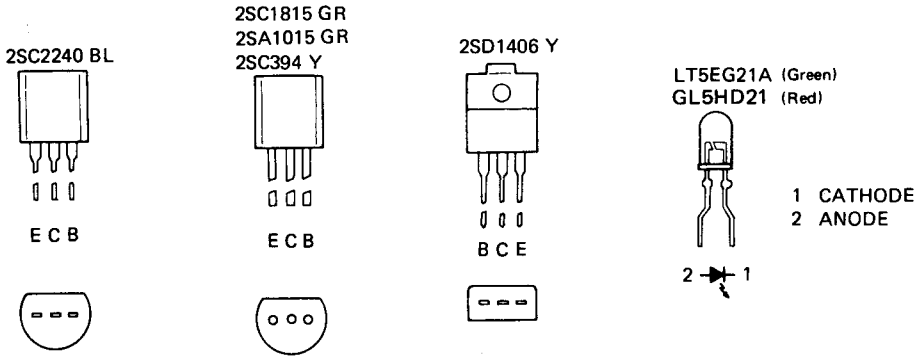


Figure 19–2 TYPES OF TRANSISTOR AND LED

Ⓔ

SERVICE INFORMATION

Supply Voltage Setting

The ST-207H can operate on either 110V or 220V power supply, and it has been adjusted to the 220V position before leaving the factory. When operating the unit on 110V power supply, take the following procedures.

1. Remove the cabinet according to the "DISASSEMBLY" instruction.
2. Cut out the jumper wire JW1 and add the jumper wire JW2 to the position shown in Fig. 19–3.

Ⓓ

SERVICE-INFORMATION

Einstellung der Versorgungs spannung

Das ST-207H kann über eine Netzspannung von 110V oder 220V betrieben werden, und vor dem Versand ist das auf der 220V-Stellung eingestellt. Beim Betrieb des Geräts über eine Netzspannung von 110V die folgenden Verfahren ausführen.

1. Das Gehäuse gemäß der Anleitung "ZERLEGEN" entfernen.
2. Den Schaltdraht JW1 abschneiden und den Schaltdraht JW2 zu der in Abb. 19–3 gezeigten Stelle hinzufügen.

Ⓕ

INFORMATION DE SERVICE

Réglage de la tension

Le ST-207H, fonctionnant sur le secteur soit de 110V soit de 220V, a été préréglé sur le 220V à la sortie de l'usine. Pour le faire fonctionner sur le secteur de 110V, suivre les procédés ci-dessous.

1. Déposer le coffret conformément à l'instruction "DÉMONTAGE".
2. Couper le fil volant JW1 et ajouter le fil volant JW2 à l'endroit indiqué sur la Fig. 19–3.

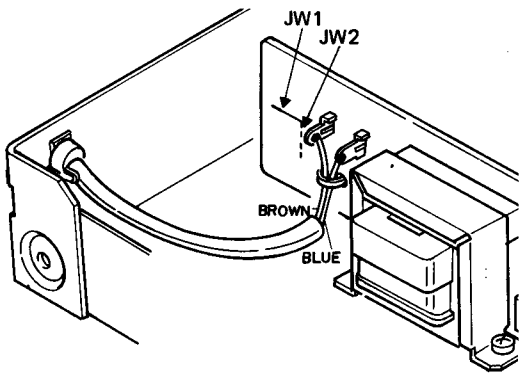


Figure 19–3

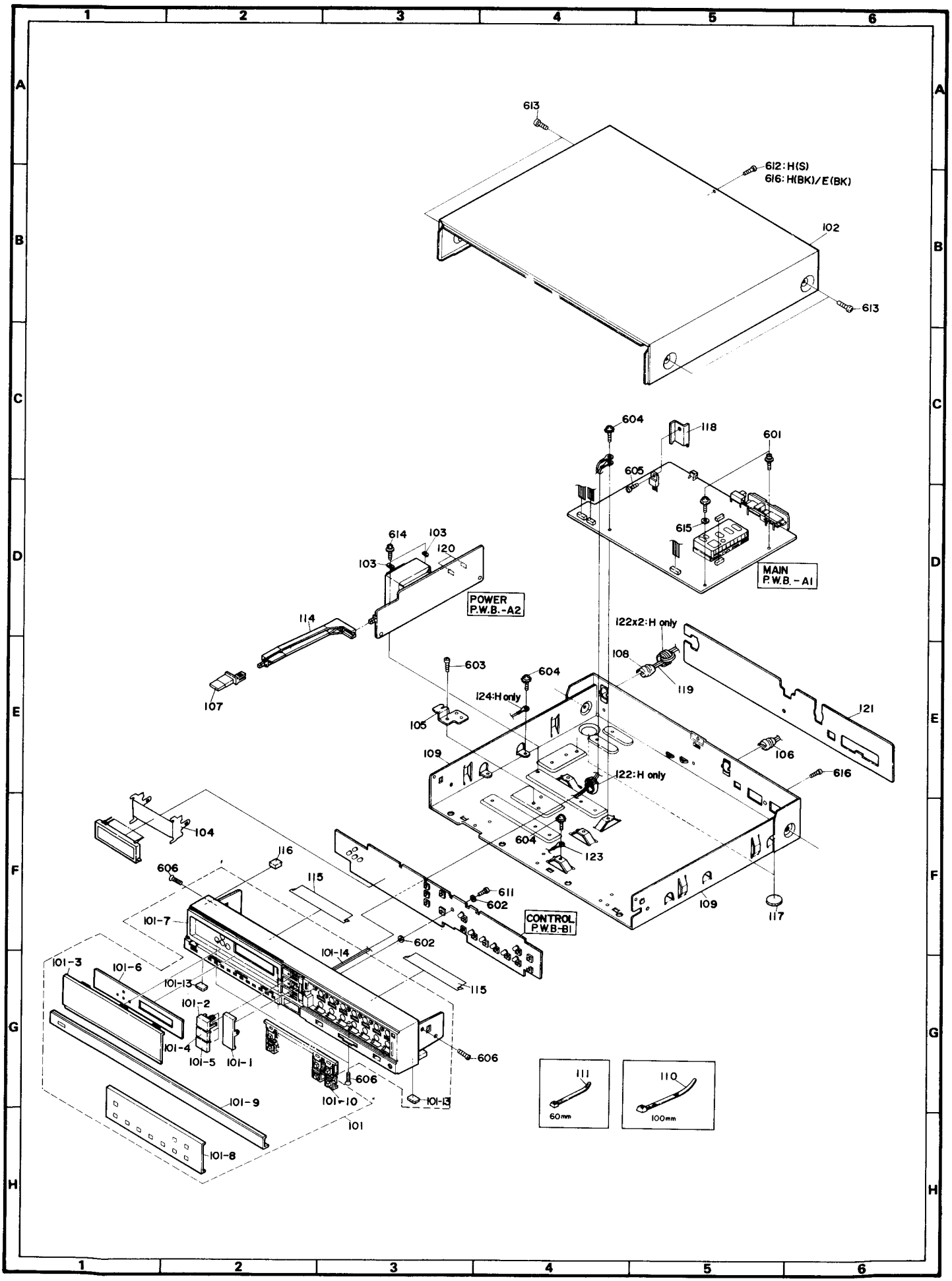


Figure 20 EXPLODED VIEW

Ⓔ

REPLACEMENT PARTS LIST

"HOW TO ORDER REPLACEMENT PARTS"

To have your order filled promptly and correctly, please furnish the following information.

1. MODEL NUMBER
2. REF. NO.
3. PART NO.
4. DESCRIPTION

NOTE:

Parts marked with "⚠" are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

Ⓓ

ERSATZTEILLISTE

"BESTELLEN VON ERSATZTEILEN"

Um Ihren Auftrag schnell und richtig ausfuhren zu können, bitten wir um die folgenden Angaben.

1. MODELLNUMMER
2. REF. NR.
3. TEIL NR.
4. BESCHREIBUNG

ANMERKUNGEN:

Die mit ⚠ bezeichneten Teile sind besonders wichtig fur die Aufrechterhaltung der Sicherheit. Beim Wechseln dieser Teile sollten die vorgeschriebenen Teile immer verwendet werden, um sowohl die Sicherheit ais auch die Leistung des Gerätes aufrechtzuerhalten.

Ⓕ

LISTE DES PIÈCES DE RECHANGE

"COMMENT COMMANDER DES PIÈCES DE RECHANGE"

Pour voir votre commande exécutée de manière rapide et correcte, veuillez fournir les renseignements suivants.

1. NUMÉRO DU MODÈLE
2. N° DE RÉFÉRENCE
3. N° DE LA PIÈCE
4. DESCRIPTION

NOTE:

Les pièces portant la marque ⚠ sont particulièrement importantes pour le maintien de la securité. S'assurer de les remplacer par des pièces du numéro de pièce spécifié pour maintenir la sécurité et la performance de l' appareil.

REF.NO.	PART NO.	DESCRIPTION	CODE
		INTEGRATED CIRCUITS	
IC101	VHiLA1235//-1	FM IF/Detector,LA1235	A K
IC102	VHiHA12016/-1	FM PLL MPX.,HA12016	A L
IC103	VHiBA6104//-1	LED Driver,BA6104	A F
IC201	VHiLA1245//-1	AM IF,LA1245	A L
IC501	VHiUPB553AC-1	Prescaler,μPB553AC	A Y
IC502	RH-iX1275AFZZ	PLL Synthesizer and Control,μPD1704C	A Y
		TRANSISTORS	
Q101	VS2SC394-Y/-1	Silicon,NPN,2SC394 Y	A B
Q102	VS2SC1815GR-1	Silicon,NPN,2SC1815 GR, H only	A B
Q103	VS2SA1015GR-1	Silicon,PNP,2SA1015 GR	A B
Q104	VS2SC1815GR-1	Silicon,NPN,2SC1815 GR	A B
Q105	VS2SC2240BL-1	Silicon,NPN,2SC2240 BL	A B
Q106	VS2SC1815GR-1	Silicon,NPN,2SC1815 GR	A B
Q107	VS2SC1815GR-1	Silicon,NPN,2SC1815 GR	A B
Q108	VS2SC1815GR-1	Silicon,NPN,2SC1815 GR	A B
Q109	VS2SA1015GR-1	Silicon,PNP,2SA1015 GR	A B
Q110	VS2SC2878B/-1	Silicon,NPN,2SC2878 B	A C
Q111	VS2SC1815GR-1	Silicon,NPN,2SC1815 GR	A B
Q112	VS2SA1015GR-1	Silicon,PNP,2SA1015 GR	A B
Q201	VS2SA1015GR-1	Silicon,PNP,2SA1015 GR	A B
Q202	VS2SA1015GR-1	Silicon,PNP,2SA1015 GR	A B
Q203	VS2SC1815GR-1	Silicon,NPN,2SC1815 GR	A B
Q204	VS2SC1815GR-1	Silicon,NPN,2SC1815 GR	A B
Q205	VS2SC1815GR-1	Silicon,NPN,2SC1815 GR	A B
Q301	VS2SD1406Y/-1	Silicon,NPN,2SD1406 Y	A E
Q302	VS2SC1815GR-1	Silicon,NPN,2SC1815 GR	A B
Q303	VS2SC1815GR-1	Silicon,NPN,2SC1815 GR	A B
Q304	VS2SC2703-Y-1	Silicon,NPN,2SC2703 Y	A D
Q305	VS2SC1815GR-1	Silicon,NPN,2SC1815 GR	A B
Q306	VS2SC1815GR-1	Silicon,NPN,2SC1815 GR	A B
Q307	VS2SA1015GR-1	Silicon,PNP,2SA1015 GR	A B
Q501	VS2SC1815GR-1	Silicon,NPN,2SC1815 GR	A B
Q501	VS2SC1815GR-1	Silicon,NPN,2SC1815 GR	A B
Q502	VS2SA1015GR-1	Silicon,PNP,2SA1015 GR	A B
Q503	VS2SA1015GR-1	Silicon,PNP,2SA1015 GR	A B
Q504	VS2SA1015GR-1	Silicon,PNP,2SA1015 GR	A B
Q505	VS2SA1015GR-1	Silicon,PNP,2SA1015 GR	A B
Q506	VS2SA1015GR-1	Silicon,PNP,2SA1015 GR	A B
Q507	VS2SA1015GR-1	Silicon,PNP,2SA1015 GR	A B
Q508	VS2SC1815GR-1	Silicon,NPN,2SC1815 GR	A B
Q510	VS2SC1815GR-1	Silicon,NPN,2SC1815 GR	A B
		DIODES	
D101	VHD1SS133//-1	Silicon,1S133,H only	A A
D102	VHD1SS133//-1	Silicon,1SS133,H only	A A
D103	VHD1SS133//-1	Silicon,1SS133,H only	A A
D104	VHD1SS133//-1	Silicon,1SS133	A A
D105	VHD1SS133//-1	Silicon,1SS133	A A
D106	VHD1SS133//-1	Silicon,1SS133	A A
D107	VHD1SS133//-1	Silicon,1SS133	A A
D108	VHD1SS133//-1	Silicon,1SS133	A A
D109	VHD1SS133//-1	Silicon,1SS133	A A
D110	VHD1SS133//-1	Silicon,1SS133	A A
D111	VHD1SS133//-1	Silicon,1SS133	A A
D112	VHD1SS133//-1	Silicon,1SS133	A A
D201	VHDBA243///-1	Silicon,BA243	A C
D202	VHD1SS133//-1	Silicon,1SS133	A A
D203	VHD1SS133//-1	Silicon,1SS133	A A
D204	VHDBA243///-1	Silicon,BA243	A C
D205	VHDBA243///-1	Silicon,BA243	A C
D206	VHDBA243///-1	Silicon,BA243	A C
D207	VHDBA243///-1	Silicon,BA243	A C
D208	VHD1SS133//-1	Silicon,1SS133	A A
D209	VHD1SS133//-1	Silicon,1SS133	A A
D210	VHD1SS133//-1	Silicon,1SS133	A A
D211	VHD1SS133//-1	Silicon,1SS133	A A
D212	VHD1SS133//-1	Silicon,1SS133	A A
D213	VHD1SS133//-1	Silicon,1SS133	A A
D301	VHD11E4TA2/-1	Silicon,11E4TA	A B
D302	VHD11E4TA2/-1	Silicon,11E4TA	A B
D303	VHD11E4TA2/-1	Silicon,11E4TA	A B
D304	VHD11E4TA2/-1	Silicon,11E4TA	A B
D305	VHD1SS133//-1	Silicon,1SS133	A A
D306	VHD1SS133//-1	Silicon,1SS133	A A
D307	VHD1SS133//-1	Silicon,1SS133	A A
D308	VHD1SS133//-1	Silicon,1SS133	A A
D309	VHD1SS133//-1	Silicon,1SS133	A A
D501	VHD1SS133//-1	Silicon,1SS133	A A
D502	VHD1SS133//-1	Silicon,1SS133	A A
D503	VHD1SS133//-1	Silicon,1SS133	A A
D504	VHD1SS133//-1	Silicon,1SS133	A A
D505	VHD1SS133//-1	Silicon,1SS133	A A
D506	VHD1SS133//-1	Silicon,1SS133	A A
D507	VHD1SS133//-1	Silicon,1SS133	A A

REF.NO.	PART NO.	DESCRIPTION	CODE
D508	VHD1SS133//-1	Silicon,1SS133	A A
D509	VHD1SS133//-1	Silicon,1SS133	A A
D510	VHD1SS133//-1	Silicon,1SS133	A A
D511	VHD1SS133//-1	Silicon,1SS133	A A
D512	VHD1SS133//-1	Silicon,1SS133	A A
D513	VHD1SS133//-1	Silicon,1SS133	A A
D514	VHD1SS133//-1	Silicon,1SS133	A A
D515	VHD1SS133//-1	Silicon,1SS133	A A
D516	VHD1SS133//-1	Silicon,1SS133	A A
D517	VHD1SS133//-1	Silicon,1SS133	A A
D518	VHD1SS133//-1	Silicon,1SS133	A A
D519	VHD1SS133//-1	Silicon,1SS133	A A
D520	VHD1SS133//-1	Silicon,1SS133	A A
LED501	VHPLT5EG21A-1	Silicon,Green,LT5EG21A	A C
LED502	VHPLT5EG21A-1	Silicon,Green,LT5EG21A	A C
LED503	VHPLT5EG21A-1	Silicon,Green,LT5EG21A	A C
LED504	VHPGL5HD21/-1	Silicon,Red,GL5HD21	A B
LED505	VHPGL5HD21/-1	Silicon,Red,GL5HD21	A B
LED506	VHPGL5HD21/-1	Silicon,Red,GL5HD21	A B
LED507	VHPGL5HD21/-1	Silicon,Red,GL5HD21	A B
LED508	VHPGL5HD21/-1	Silicon,Red,GL5HD21	A B
LED509	VHPGL5HD21/-1	Silicon,Red,GL5HD21	A B
LED510	VHPGL5HD21/-1	Silicon,Red,GL5HD21	A B
LED511	VHPGL5HD21/-1	Silicon,Red,GL5HD21	A B
VD201	VHCKV1236Z13F	Variable Capacitance, KV1236Z	A L
VD202	VHCKV1236Z13F	Variable Capacitance, KV1236Z	A L
ZD301	VHERD180JS2-1	Zener,1.8V,RD1.8JS2	A B
ZD302	VHERD6R2JS2-1	Zener,6.2V,RD6.2JS	A B

FILTERS

CF101	RFiLF0118AFZZ	FM IF,10.7MHz	A E
CF102	RFiLF0099AFZZ	FM IF,10.7MHz,E(BK)	A D
CF102	RFiLF0100AFZZ	FM IF,10.7MHz,H(S/BK)	A E
CF201	RFiLA0094AFZZ	AM IF	A E
CF202	RFiLA0093AFZZ	AM IF,450kHz	A F
FL101	RFiLL0075AFZZ	Low Pass Filter,H(S/BK)	A F

TRANSFORMERS

T101	RCiLD0076AFZZ	FM Detector	A F
T201	RCiLi0298AFZZ	AM 1st IF	A C
T202	RCiLi0297AFZZ	AM 2nd IF	A C
⚠ T401	RTRNP1159AFZZ	Power Transformer,H(S/BK)	A S
⚠ T401	RTRNP1160AFZZ	Power Transformer,E(BK)	A S

COILS

L101	VP-DH2R2M0000	2.2 μH,Choke	A B
L102	VP-DH2R2M0000	2.2 μH,Choke	A B
L103	RCōRF0054AFZZ	Bead,H only	A B
L105	RCōRF0054AFZZ	Bead,H only	A B
L202	VP-DH120K0000	12 μH,Choke	A B
L203	RCiLA0781AFZZ	MW Antenna	A E
L204	RCiLA0782AFZZ	LW Antenna	A E
L205	RCiLB0617AFZZ	MW Oscillation	A C
L206	RCiLB0618AFZZ	LW Oscillation	A C
L207	VP-DHR47M0000	0.47 μH,Choke,H only	A B
L208	VP-DHR47M0000	0.47 μH,Choke,H only	A B
L501	VP-DH101K0000	100 μH,Choke	A B
L502	VP-DH101K0000	100 μH,Choke	A B
L503	VP-DH101K0000	100 μH,Choke	A B

CONTROLS

TC201	RTō-H1072AFZZ	Trimmer,MW Antenna	A C
TC202	RTō-H1072AFZZ	Trimmer,LW Antenna	A C
TC203	RTō-H1072AFZZ	Trimmer,MW Oscillator	A C
TC204	RTō-H1072AFZZ	Trimmer,LW Oscillator	A C
VR101	RVR-M0392AFZZ	20 kohms (B)	A B
VR102	RVR-M0392AFZZ	20 kohms (B)	A B
VR103	RVR-M0324AFZZ	5 kohms (B)	A B

CRYSTAL

XL501	RCRSB0092AFZZ	4.5MHz,PLL	A L

ELECTROLYTIC CAPACITORS

(Unless therwise specified, electrolytic capacitors are ±20% type.)

C103	RC-EZA105AF1H	1 μF,50V,H only	A B
C106	RC-EZA225AF1H	2.2 μF,50V	A B
C107	RC-EZA105AF1H	1 μF,50V,H only	A B
C111	RC-GZA107AF1C	100 μF,16V	A B
C112	RC-EZA476AF1E	47 μF,25V	A B
C113	RC-EZA475AF1H	4.7 μF,50V	A B
C118	RC-GZA107AF1C	100 μF,16V	A B
C120	RC-EZA474AF1H	0.47 μF,50V	A B
C122	RC-EZA105AF1H	1 μF,50V	A B
C125	RC-EZA105AF1H	1 μF,50V	A B
C127	RC-EZA106AF1C	10 μF,16V	A B
C128	RC-GZA107AF1C	100 μF,16V	A B
C131	RC-EZA106AF1C	10 μF,16V	A B
C132	RC-EZA475AF1H	4.7 μF,50V	A B
C134	RC-EZA225AF1H	2.2 μF,50V	A B
C135	RC-EZA335AF1H	3.3 μF,50V	A B
C136	RC-EZA105AF1H	1 μF,50V	A B
C138	RC-EZA105AF1H	1 μF,50V	A B
C141	RC-EZA105AF1H	1 μF,50V	A B
C142	RC-EZA105AF1H	1 μF,50V	A B
C143	RC-EZA226AF1C	22 μF,16V	A G
C144	RC-EZA226AF1C	22 μF,16V	A G
C147	RC-GZA227AF1C	220 μF,16V	A B
C149	RC-EZA476AF1E	47 μF,25V	A B
C150	RC-EZA106AF1C	10 μF,16V	A B
C215	RC-EZA475AF1H	4.7 μF,50V	A B
C216	RC-EZA335AF1H	33 μF,50V	A B
C222	RC-EZA106AF1C	10 μF,16V	A B
C226	RC-GZA107AF1C	100 μF,16V	A B
C231	RC-EZA225AF1H	2.2 μF,50V	A B
C232	RC-EZA225AF1H	2.2 μF,50V	A B
C305	RC-EZW108AF1V	1000 μF,35V	A F
C306	RC-GZA107AF1V	100 μF,35V	A B
C307	RC-EZA476AF1E	47 μF,25V	A B
C308	RC-EZA106AF1H	10 μF,50V	A B
C310	RC-EZA106AF1C	10 μF,16V	A B
C311	RC-EZA106AF1C	10 μF,16V	A B
C312	RC-GZW478AF0J	4700 μF,6.3V	A G
C313	RC-GZA107AF1C	100 μF,16V	A B
C314	RC-EZA105AF1H	1 μF,50V	A B
C315	RC-EZA106AF1C	10 μF,16V	A B
C504	RC-GZA107AF1A	100 μF,10V	A C
C514	RC-GZA108AF0J	1000 μF,6.3V	A C
C515	RC-GZA107AF1A	100 μF,10V	A C

CAPACITORS

There are two types of capacitors available and they can be identified from each other by reading their Part Numbers.

- Ceramic type capacitor;
  A symbol "C" or "K" is given at the 3rd digit of its Part Number like "VCC (or K)·····J."
- Semiconductor type capacitor;
  A symbol "T" is given at the 3rd digit of its Part Number like "VCT·····J."

The capacitance error of each capacitor is indicated by the symbol given at the 13th digit of the Part Number as follows:"J" (±5%), "K" (±10%), "M" (±20%),

REF.NO.	PART NO.	DESCRIPTION	CODE
"N" (±30%), "C" (±0.25 pF), "D" (±0.5 pF), "Z" (+80−20%).			
	VCTYDT1CY103N	0.01 μF,16V	A A
C101	VCKZPA1HF223Z	0.022 μF,50V	A A
C102	VCKZPA1HF473Z	0.047 μF,50V	A A
C104	VCKZPA1HF223Z	0.022 μF,50V	A A
C105	VCKZPA1HF223Z	0.022 μF,50V	A A
C108	VCKZPA1HF223Z	0.022 μF,50V,H only	A A
C109	VCCSPA1HL330J	33 pF,50V,H only	A A
C110	VCKZPA1HF223Z	0.022 μF,50V	A A
C114	VCKZPA1HF103Z	0.01 μF,50V	A A
C115	VCKZPA1HF223Z	0.022 μF,50V	A A
C116	VCKZPA1HF223Z	0.022 μF,50V	A A
C117	VCKZPA1HF223Z	0.022 μF,50V	A A
C119	VCKZPA1HF473Z	0.047 μF,50V	A A
C121	VCKZPA1HF223Z	0.022 μF,50V	A A
C123	VCKZPA1HF223Z	0.022 μF,50V	A A
C124	VCKZPA1HF223Z	0.022 μF,50V	A A
C126	VCKZPA1HF223Z	0.022 μF,50V	A A
C129	VCKZPA1HF473Z	0.047 μF,50V	A A
C130	VCCSPA1HL330J	33 pF,50V	A A
C133	VCQYKA1HM473K	0.047 μF,50V,Mylar	A B
C137	VCQSMA1HL102J	0.001 μF,50V	A B
C139	VCTYPA1EX102J	0.001 μF,25V	A A
C140	VCTYPA1EX102J	0.001 μF,25V	A A
C148	VCKZPA1HF223Z	0.022 μF,50V	A A
C151	VCCSBT1HL220J	22 pF,50V,H only	A A
C152	VCKZPA1HF223Z	0.022 μF,50V,H only	A A
C153	VCKZPA1HF223Z	0.022 μF,50V,H only	A A
C154	VCTYAT1CY223N	0.022 μF,16V,H only	A A
C155	VCCUPA1HJ4R0C	4 pF(UJ),50V	A A
C201	VCCTPA1HH4R0C	4 pF(TH),50V	A A
C202	VCKZPA1HF473Z	0.047 μF,50V	A A
C203	VCKZPA1HF473Z	0.047 μF,50V	A A
C204	VCKZPA1HF473Z	0.047 μF,50V	A A
C205	VCKZPA1HF223Z	0.022 μF,50V	A A
C206	VCQSMV1HL561J	560 pF,50V,Styrol	A B
C207	VCCCPA1HH270J	27 pF(CH),50V	A A
C208	VCQSMA1HL391J	390 pF,50V,Styrol	A B
C209	VCCTPA1HH8R0D	8 pF(TH),50V	A A
C210	VCCRPA1HH820J	82 pF(RH),50V	A A
C211	VCKZPA1HF473Z	0.047 μF,50V	A A
C212	VCTYAT1CY223N	0.022 μF,16V	A A
C213	VCKZPA1HF473Z	0.047 μF,50V	A A
C214	VCKZPA1HF473Z	0.047 μF,50V	A A
C217	VCKZPA1HF103Z	0.01 μF,50V	A A
C218	VCKZPA1HF473Z	0.047 μF,50V	A A
C219	VCKZPA1HF102Z	0.001 μF,50V	A A
C220	VCKZPA1HF473Z	0.047 μF,50V	A A
C221	VCKZPA1HF473Z	0.047 μF,50V	A A
C223	VCKZPA1HF223Z	0.022 μF,50V	A A
C224	VCKZPA1HF102Z	0.001 μF,50V	A A
C225	VCCSPA1HL560J	56 pF,50V	A A
C227	VCKZPA1HF473Z	0.047 μF,50V	A A
C228	VCTYPA1EX332K	0.0033 μF,25V	A A
C229	VCTYPA1EX222K	0.0022 μF, 25V	A A
C230	VCTYDT1CY103N	0.01 μF,16V	A A
C301	VCKZPA1HF223Z	0.022 μF,50V	A A
C302	VCKZPA1HF223Z	0.022 μF,50V	A A
C303	VCKZPA1HF223Z	0.022 μF,50V	A A
C304	VCKZPA1HF223Z	0.022 μF,50V	A A
C309	VCKZPA1HF473Z	0.047 μF,50V	A A
C316	VCKZPA1HF223Z	0.022 μF,50V	A A
C401	VCKZPA1HF223Z	0.022 μF,50V	A A
C501	VCKYBT1HB221K	220 pF,50V	A A
C502	VCKZPA1HF103Z	0.01 μF,50V	A A
C503	VCKZPA1HF473Z	0.047 μF,50V	A A
C505	VCKYBT1HB101K	100 pF,50V	A A
C506	VCKYBT1HB101K	100 pF,50V	A A
C507	VCKYBT1HB101K	100 pF,50V	A A
C508	VCKYBT1HB101K	100 pF,50V	A A
C509	VCKYBT1HB101K	100 pF,50V	A A
C510	VCKYBT1HB101K	100 pF,50V	A A
C511	VCKYBT1HB101K	100 pF,50V	A A
C512	VCCCPA1HH120J	12 pF(CH),50V	A A
C513	VCCCPA1HH120J	12 pF(CH),50V	A A
C517	VCKZPA1HF473Z	0.047 μF,50V	A A
C518	VCKZPA1HF473Z	0.047 μF,50V	A A
C519	VCKYBT1HB102K	0.001 μF,50V	A A
C520	VCCSPU1HL101J	100 pF,50V	A A

RESISTORS

(Unless otherwise specfifed, resistors are ±5%,carbon type.)

R101	VRD-ST2CD334J	330 kohms,1/6W	A A
R102	VRD-ST2CD101J	100 ohm,1/6W	A A
R103	VRD-ST2CD331J	330 ohms,1/6W	A A
R104	VRD-ST2CD331J	330 ohms,1/6W	A A
R105	VRD-ST2CD181J	180 ohms,1/6W	A A
R106	VRD-ST2CD124J	120 kohms,1/6W	A A
R107	VRD-ST2CD224J	220 kohms,1/6W	A A
R108	VRD-ST2CD331J	330 ohms,1/6W,H only	A A
R109	VRD-ST2CD472J	4.7 kohms,1/6W,H only	A A
R110	VRD-ST2CD223J	22 kohms,1/6W	A A
R111	VRD-ST2CD562J	5.6 kohms,1/6W	A A
R112	VRD-ST2CD562J	5.6 kohms,1/6W	A A
R113	VRD-ST2EE221J	220 ohms,1/4W	A A
R114	VRD-ST2EE221J	220 ohms,1/4W	A A
R115	VRD-ST2EE221J	220 ohms,1/4W	A A
R116	VRD-ST2EE331J	330 ohms,1/4W	A A
R117	VRD-ST2CD682J	6.8 kohms,1/6W	A A
R118	VRD-ST2CD122J	1.2 kohms,1/6W	A A
R119	VRD-ST2CD182J	1.8 kohms,1/6W	A A
R120	VRD-ST2CD331J	330 ohms,1/6W	A A
R121	VRD-ST2CD562J	5.6 kohms,1/6W	A A
R122	VRD-ST2CD562J	5.6 kohms,1/6W	A A
R123	VRD-ST2CD222J	2.2 kohms,1/6W	A A
R124	VRD-ST2CD563J	56 kohms,1/6W	A A
R125	VRD-ST2CD333J	33 kohms,1/6W	A A
R126	VRD-ST2CD153J	15 kohms,1/6W	A A
R127	VRD-ST2CD333J	33 kohms,1/6W	A A
R128	VRD-ST2CD273J	27 kohms,1/6W	A A
R129	VRD-ST2CD223J	22 kohms,1/6W	A A
R130	VRD-ST2CD154J	150 kohms,1/6W	A A
R131	VRD-ST2CD103J	10 kohm,1/6W	A A
R132	VRD-ST2CD154J	150 kohms,1/6W	A A
R133	VRD-ST2CD333J	33 kohms,1/6W	A A
R134	VRD-ST2CD272J	2.7 kohms,1/6W	A A
R135	VRD-ST2CD104J	100 kohm,1/6W	A A
R136	VRD-ST2CD472J	4.7 kohms,1/6W	A A
R137	VRD-ST2CD473J	47 kohms,1/6W	A A
R138	VRD-ST2CD273J	27 kohms,1/6W	A A
R139	VRD-ST2CD102J	1 kohm,1/6W	A A
R140	VRD-ST2CD102J	1 kohm,1/6W	A A
R141	VRD-ST2CD562J	5.6 kohms,1/6W	A A
R142	VRD-ST2CD104J	100 kohm,1/6W	A A
R143	VRD-ST2CD473J	47 kohms,1/6W	A A
R144	VRD-ST2CD473J	47 kohms,1/6W	A A
R145	VRD-ST2CD181J	180 ohms,1/6W	A A
R146	VRD-ST2CD181J	180 ohms,1/6W	A A
R147	VRD-ST2CD332J	3.3 kohms,1/6W	A A
R148	VRD-ST2CD332J	3.3 kohms,1/6W	A A
R149	VRD-ST2CD183J	18 kohms,1/6W	A A
R150	VRD-ST2CD183J	18 kohms,1/6W	A A
R151	VRD-ST2CD472J	4.7 kohms,1/6W	A A
R152	VRD-ST2CD472J	4.7 kohms,1/6W	A A
R153	VRD-ST2CD153J	15 kohms,1/6W	A A
R154	VRD-ST2CD153J	15 kohms,1/6W	A A
R155	VRD-ST2CD104J	100 kohm,1/6W,E	A A

REF.NO.	PART NO.	DESCRIPTION	CODE
R155	VRD-ST2CD333J	33 kohms,1/6W,H	A A
R156	VRD-ST2CD103J	10 kohm,1/6W	A A
R157	VRD-ST2EE391J	390 ohms,1/4W	A A
R158	VRD-ST2EE221J	220 ohms,1/4W	A A
R159	VRD-ST2EE221J	220 ohms,1/4W	A A
R160	VRD-ST2EE221J	220 ohms,1/4W	A A
R161	VRD-ST2CD332J	3.3 kohms,1/6W	A A
R162	VRD-ST2CD333J	33 kohms,1/6W	A A
R163	VRD-ST2CD104J	100 kohm,1/6W	A A
R164	VRD-ST2CD102J	1 kohm,1/6W	A A
R165	VRD-ST2CD153J	15 kohms,1/6W	A A
R166	VRD-ST2CD473J	47 kohms,1/6W	A A
R167	VRD-ST2EE821J	820 ohms,1/4W	A A
R168	VRD-ST2EE821J	820 ohms,1/4W	A A
R169	VRD-ST2EE821J	820 ohms,1/4W	A A
R170	VRD-ST2CD222J	2.2 kohms,1/6W	A A
R171	VRD-ST2CD102J	1 kohm,1/6W	A A
R172	VRD-ST2CD102J	1 kohm,1/6W	A A
R173	VRD-ST2CD101J	100 ohm,1/6W	A A
R174	VRD-ST2CD102J	1 kohm,1/6W,H only	A A
R175	VRD-ST2CD102J	1 kohm,1/6W,H only	A A
R201	VRD-ST2CD104J	100 kohm,1/6W	A A
R202	VRD-ST2CD222J	2.2 kohms,1/6W	A A
R203	VRD-ST2CD222J	2.2 kohms,1/6W	A A
R204	VRD-ST2CD104J	100 kohm,1/6W	A A
R205	VRD-ST2CD181J	180 ohms,1/6W	A A
R206	VRD-ST2CD102J	1 kohm,1/6W	A A
R207	VRD-ST2CD222J	2.2 kohms,1/6W	A A
R208	VRD-ST2CD683J	68 kohms,1/6W	A A
R209	VRD-ST2CD222J	2.2 kohms,1/6W	A A
R210	VRD-ST2CD104J	100 kohm,1/6W	A A
R211	VRD-ST2CD104J	100 kohm,1/6W	A A
R212	VRD-ST2CD104J	100 kohm,1/6W	A A
R213	VRD-ST2CD104J	100 kohm,1/6W	A A
R214	VRD-ST2CD223J	22 kohms,1/6W	A A
R215	VRD-ST2CD223J	22 kohms,1/6W	A A
R216	VRD-ST2CD104J	100 kohm,1/6W	A A
R217	VRD-ST2CD104J	100 kohm,1/6W	A A
R218	VRD-ST2CD221J	220 ohms,1/6W	A A
R219	VRD-ST2CD123J	12 kohms,1/6W	A A
R220	VRD-ST2CD103J	10 kohm,1/6W	A A
R221	VRD-ST2CD101J	100 ohm,1/6W	A A
R222	VRD-ST2CD103J	10 kohm,1/6W	A A
R223	VRD-ST2CD471J	470 ohms,1/6W	A A
R224	VRD-ST2CD152J	1.5 kohms,1/6W	A A
R225	VRD-ST2CD152J	1.5 kohms,1/6W,E	A A
R225	VRD-ST2CD332J	3.3 kohms,1/6W,H	A A
R226	VRD-ST2CD101J	100 ohm,1/6W	A A
R227	VRD-ST2CD821J	820 ohms,1/6W	A A
R228	VRD-ST2EE330J	33 ohms,1/4W	A A
R231	VRD-ST2CD122J	1.2 kohms,1/6W	A A
R232	VRD-ST2CD392J	3.9 kohms,1/6W	A A
R233	VRD-ST2CD684J	680 kohms,1/6W	A A
R234	VRD-ST2CD681J	680 ohms,1/6W	A A
R235	VRD-ST2CD151J	150 ohms,1/6W	A A
R236	VRD-ST2CD223J	22 kohms,1/6W	A A
R237	VRD-ST2CD473J	47 kohms,1/6W	A A
R238	VRD-ST2CD153J	15 kohms,1/6W	A A
R239	VRD-ST2CD153J	15 kohms,1/6W	A A
R240	VRD-ST2CD394J	390 kohms,1/6W	A A
R301	VRD-ST2EE122J	1.2 kohms,1/4W	A A
R302	VRD-ST2CD223J	22 kohms,1/6W	A A
R303	VRD-ST2CD223J	22 kohms,1/6W	A A
R304	VRD-ST2CD562J	5.6 kohms,1/6W	A A
R305	VRD-ST2CD562J	5.6 kohms,1/6W	A A
R306	VRD-ST2CD102J	1 kohm,1/6W	A A
R307	VRD-ST2EE102J	1 kohm,1/4W	A A
R308	VRD-ST2CD822J	8.2 kohms,1/6W	A A
R309	VRD-ST2CD103J	10 kohm,1/6W	A A
R310	VRD-ST2EE151J	150 ohms,1/4W	A A
R311	VRD-ST2CD102J	1 kohm,1/6W	A A
R312	VRD-ST2EE101J	100 ohm,1/4W	A A
R313	VRD-ST2CD681J	680 ohms,1/6W	A A
R314	VRD-ST2CD103J	10 kohm,1/6W	A A
R315	VRD-ST2CD104J	100 kohm,1/6W	A A
R316	VRD-ST2CD104J	100 kohm,1/6W	A A
R317	VRD-ST2CD563J	56 kohms,1/6W	A A
R318	VRD-ST2CD103J	10 kohm,1/6W	A A
R319	VRD-ST2CD153J	15 kohms,1/6W	A A
R320	VRD-ST2CD102J	1 kohm,1/6W	A A
R321	VRD-ST2CD103J	10 kohm,1/6W	A A
R322	VRD-ST2EE221J	220 ohms,1/4W	A A
R401	VRD-ST2EE470J	47 ohms,1/4W	A A
R402	VRD-ST2EE470J	47 ohms,1/4W	A A
R501	VRD-ST2CD224J	220 kohms,1/6W	A A
R502	VRD-ST2CD332J	3.3 kohms,1/6W	A A
R503	VRD-ST2CD104J	100 kohm,1/6W	A A
R504	VRD-ST2CD104J	100 kohm,1/6W	A A
R505	VRD-ST2CD104J	100 kohm,1/6W	A A
R506	VRD-ST2CD104J	100 kohm,1/6W	A A
R507	VRD-ST2CD104J	100 kohm,1/6W	A A
R508	VRD-ST2CD104J	100 kohm,1/6W	A A
R509	VRD-ST2CD104J	100 kohm,1/6W	A A
R510	VRD-ST2CD104J	100 kohm,1/6W	A A
R511	VRD-ST2CD104J	100 kohm,1/6W	A A
R512	VRD-ST2CD104J	100 kohm,1/6W	A A
R513	VRD-ST2CD104J	100 kohm,1/6W	A A
R514	VRD-ST2CD104J	100 kohm,1/6W	A A
R515	VRD-ST2CD223J	22 kohms,1/6W	A A
R516	VRD-ST2CD223J	22 kohms,1/6W	A A
R517	VRD-ST2CD223J	22 kohms,1/6W	A A
R518	VRD-ST2CD223J	22 kohms,1/6W	A A
R519	VRD-ST2CD223J	22 kohms,1/6W	A A
R520	VRD-ST2CD223J	22 kohms,1/6W	A A
R521	VRD-ST2CD472J	4.7 kohms,1/6W	A A
R522	VRD-ST2CD102J	1 kohm,1/6W	A A
R523	VRD-ST2CD473J	47 kohms,1/6W	A A
R524	VRD-ST2CD103J	10 kohm,1/6W	A A
R525	VRD-ST2CD103J	10 kohm,1/6W	A A
R526	VRD-ST2EE101J	100 ohm,1/4W	A A
R530	VRD-ST2CD103J	10 kohm,1/6W	A A
R531	VRD-ST2EE101J	100 ohm,1/4W	A A
R532	VRD-ST2CD104J	100 kohm,1/6W	A A
R533	VRD-ST2CD104J	100 kohm,1/6W	A A
R534	VRD-ST2CD104J	100 kohm,1/6W	A A
R535	VRD-ST2CD104J	100 kohm,1/6W	A A
R536	VRD-ST2CD104J	100 kohm,1/6W	A A
R537	VRD-ST2CD104J	100 kohm,1/6W	A A
R538	VRD-ST2CD104J	100 kohm,1/6W	A A

OTHER CIRCUITRY PARTS

BI501/CNS104	QCNW-3296AFZZ	Connector Assembly,5Pin/5 Pin	A C
CNP104	QCNCM586EAFZZ	Plug,5Pin	A B
CNP105	QCNCM585DAFZZ	Plug,4Pin	A B
CNS101	QCNCM656FAFZZ	Socket,6Pin	A B
CNS102	QCNCM656JAFZZ	Socket,9Pin	A C
CNS103	QCNCM656DAFZZ	Socket,4Pin	A B
F101	RTUNV0076AFZZ	Front End Circuit,E(BK)	A Y
F101	RTUNV0078AFZZ	Front End Circuit,H(S/BK)	A Y
SO101/CNS105	QCNW-3299AFZZ	Socket,Tuner Output/4Pin	A M
SO104	QSOCD2497AFZZ	Socket,External Antenna	A F
SW201	QSW-S0191AFZZ	Switch,Slide Type	A D
SW301	QSW-K0064AFZZ	Switch,Key Type	A C
SW401	QSW-P0623AFZZ	Switch,Push Type	A E
SW501	QSW-K0065AFZZ	Switch,Key Type	A B
SW502	QSW-K0065AFZZ	Switch,Key Type	A B
SW503	QSW-K0065AFZZ	Switch,Key Type	A B
SW504	QSW-K0065AFZZ	Switch,Key Type	A B

REF.NO.	PART NO.	DESCRIPTION	CODE
SW505	QSW-K0065AFZZ	Switch,Key Type	A B
SW506	QSW-K0065AFZZ	Switch,Key Type	A B
SW507	QSW-K0065AFZZ	Switch,Key Type	A B
SW508	QSW-K0065AFZZ	Switch,Key Type	A B
SW509	QSW-K0065AFZZ	Switch,Key Type	A B
SW510	QSW-K0065AFZZ	Switch,Key Type	A B
SW511	QSW-K0065AFZZ	Switch,Key Type	A B
SW512	QSW-K0065AFZZ	Switch,Key Type	A B
SW513	QSW-K0065AFZZ	Switch,Key Type	A B
SW514	QSW-K0065AFZZ	Switch,Key Type	A B
SW515	QSW-K0065AFZZ	Switch,Key Type	A B
TP101	QCNCM213BAFZZ	Plug,2Pin	A B
TP102	QCNCM213BAFZZ	Plug,2Pin	A B
TP201	QCNCM213BAFZZ	Plug,2Pin	A B
V501	VVK7BT15ZA/-1	Tuning Frequency and Band Display	A W

CABINET PARTS

101	CPNLC1663AF01	Front Panel Assembly,H(S)	B D
101	CPNLC1663AF03	Front Panel Assembly, H(BK)/E(BK)	B D
101- 1	GCŌVA1524AFSA	Cover,Tuning,H(BK)/E(BK)	A C
101- 1	GCŌVA1524AFSB	Cover,Tuning,H(S)	A C
101- 2	GCŌVA1525AFSA	Cover,FM Knob,H(BK)/E(BK)	A C
101- 2	GCŌVA1525AFSB	Cover,FM Knob,H(S)	A C
101- 3	GCŌVA1585AFSA	Cover,Frequency Display	A G
101- 4	GCŌVA1587AFSA	Cover,MW Knob,H(BK)/E(BK)	A C
101- 4	GCŌVA1587AFSB	Cover,MW Knob,H(S)	A C
101- 5	GCŌVA1588AFSA	Cover,LW Knob,H(BK)/E(BK)	A C
101- 5	GCŌVA1588AFSB	Cover,LW Knob,H(S)	A C
101- 6	HiNDP1322AFSA	Wind,Frequency Display	A F
101- 7	————	Front Panel,E(BK)	—
101- 7	————	Front Panel,H(BK)	—
101- 7	————	Front Panel,H(S)	—
101- 8	HPNLC3576AFSA	Panel,Preset,H(BK)/E(BK)	A M
101- 8	HPNLC3576AFSB	Panel,Preset,H(S)	A M
101- 9	HPNLC3577AFSA	Panel,Power,H(BK)/E(BK)	A Q
101- 9	HPNLC3577AFSB	Panel,Power,H(S)	A Q
101-10	JKNBZ0427AFSA	Knob,Preset,H(BK)/E(BK)	A L
101-10	JKNBZ0427AFSB	Knob,Preset,H(S)	A N
101-13	PFLT-0494AFZZ	Felt,Front Reg	A A
•101-14	————	Lug with Lead,2 Lead	—
102	GCAB-3180AFSA	Cabinet,H(BK)/E(BK)	A P
102	GCAB-3180AFSB	Cabinet,H(S)	A P
103	LANGR0563AFZZ	Bracket,Power Transformer	AB
104	LANGT1323AFZZ	Bracket,Frequency Display	A B
105	LANGT1401AFZZ	Bracket,Main P.W.B. Retaining	A B
106	LBSHC0063AFZZ	Bushing,Tuner Output	A B
107	JKNBM0641AFSA	Knob,Power,H(BK)/E(BK)	A B
107	JKNBM0641AFSB	Knob,Power,H(S)	A D
108	LBSHC0064AFZZ	Bushing,AC Power Supply Cord	A C
109	LCHSZ0200AFZZ	Main Chassis	—
110	LHLDW1068AFZZ	Wire Holder,100mm	A A
111	LHLDW1075AFZZ	Wire Holder,60mm	A A
114	MLEVP0533AFZZ	Lever,Power Knob	A C
115	PCŌVW1145AFZZ	Cover,Front Panel Retaining	A C
116	PCUSG0287AFZZ	Cushion,10×10×7mm	A A
117	PFLT-0369AFZZ	Felt,Rear Leg	A A
118	PRDAR0101AFFW	Heat Sink	A B
⚠ 119	QACCB0059AF09	AC Power Supply Cord, E(BK)	A K
⚠ 119	QACCV0052AF08	AC Power Supply Cord, H(S/BK)	A K
⚠ 120	QLUGP0165AFZZ	Terminal,Lug	A A
121	TSPC-1393AFZZ	Panel,Specifications,H(BK)	A F
121	TSPC-1394AFZZ	Panel,Specifications,H(S)	A F
121	TSPC-1408AFZZ	Panel,Specifications,E(BK)	A F
122	RCŌRF0063AFZZ	Ferrite Core,H(S/BK)	A E
123	QCNW-3487AFZZ	Lug with Lead	A A
124	QCNW-3485AFZZ	Lug with Lead,H(S/BK)	A A
601	LX-HZ0087AFFD	Screw,ϕ3×5mm	A A
602	LX-WZ7056AFZZ	Washer,P.W.B. Retaining	A A
603	XHBSD30P06000	Screw,ϕ3×6mm	A A
604	XHBSD30P08R00	Screw,ϕ3×8mm	A A
605	XHBSF30P08000	Screw,ϕ3×8mm,Black	A A
606	XHSSD30P08000	Screw,ϕ3×8mm	A A
611	XJBSD30P08000	Screw,ϕ3×8mm	A A
612	XHBSF30P08000	Screw,ϕ3×8mm	A A
613	XHBSF40P06000	Screw,ϕ4×6mm,H(BK)/E(BK)	A A
613	XHBSN40P06000	Screw,ϕ4×6mm , H(S)	A A
614	XHMSF40P10K00	Screw,ϕ4×10mm	A A
615	XWHGZ32-15100	Washer,Rubber	A A
616	XJBSF30P08000	Screw,ϕ3×8mm	A A

ACCESSORIES/PACKING PARTS

	LHLDA1071AFZZ	Holder,Antenna	A D
	QANTW0064AFZZ	FM External Antenna	A G
	SPAKA1362AFZZ	Packing Add,Left	A D
	SPAKA1363AFZZ	Packing Add,Right	A D
	SPAKC3466AFZZ	Packing Case,H(BK)	A K
	SPAKC3469AFZZ	Packing Case,H(S)	A K
	SPAKC3493AFZZ	Packing Case,E(BK)	A K
	SPAKP0589AFZZ	Wapping Paper,Unit	A D
	SSAKA0024AFZZ	Polyethylene Bag, Operation Manual,H(S/BK)	A A
	SSAKH0091AFZZ	Polyethylene Bag,Antenna	A A
	TCAUH0056AGZZ	Caution Label,AC Power Supply Cord,E(BK)	A A
	TCAUZ0039AFZZ	Label,Caution,Polyethylene Bag,E(BK)	A A
	TGANE1117AFZZ	Warranty Card,E(BK)	A B
	TGANG1054AFZZ	Warranty Card,H(S/BK)	A A
	TiNSZ0810AFZZ	Operation Manual,H(S/BK)	A L
	TLABJ0006AFZZ	Label,MADE IN JAPAN, E(BK)	A A
L201	QANTL0013AFZZ	Loop Antenna,H(S/BK)	A P

P.W.B. ASSEMBLY (Not Replacement Item)

PWB-A1~A2	DCYŌT1758AF01 (Combined Assembly)	Main/Power,H	—
	DCYŌT1774AF01 (Combined Assembly)	Main/Power,E	—
PWB-B1	DUNTX0146AF03	Control	—

PACKING METHOD (FOR UK)

SETTING POSITION

Power Switch	OFF
MW/LW Antenna Selector Switch	Loop ANT.

1. Wrapping Paper, Unit	SPAKP0589AFZZ
2. Label, MADE IN JAPAN	TLABJ0006AFZZ
3. Warranty Card	TGANE1117AFZZ
4. Caution Label, AC Power Supply Cord	TCAUH0056AGZZ
5. Packing Add., Left	SPAKA1362AFZZ
6. Packing Add., Right	SPAKA1363AFZZ
7. Packing Case	SPAKC3493AFZZ
8. Polyethylene Bag, Antenna	SSAKH0091AFZZ
9. FM External Antenna	QANTW0064AFZZ
10. Holder, Antenna	LHLDA1071AFZZ
11. Label, Caution, Polyethylene Bag	TCAUZ0039AFZZ

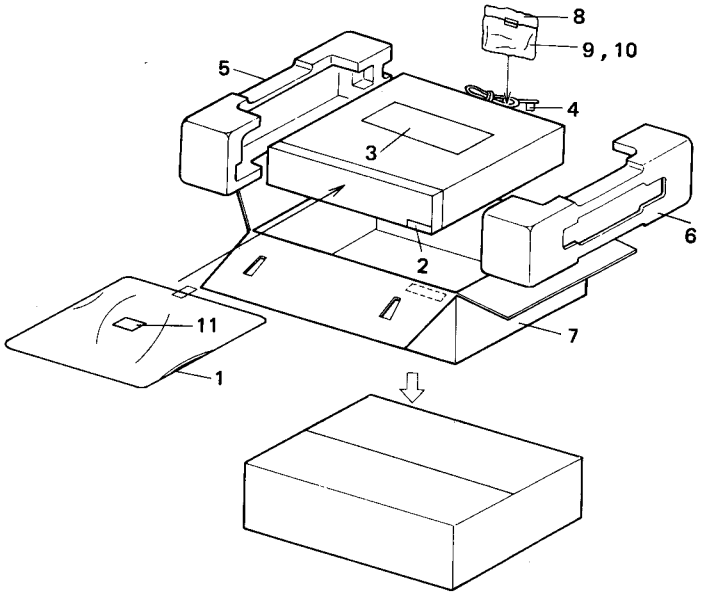


Figure 26–1

WIRING OF PRIMARILY SUPPLY LEADS (FOR UK)

If any one of the nylon bands shown in the Fig. 26–2 is removed for some reason, be sure to replace it to the original position and the same appearance as before.

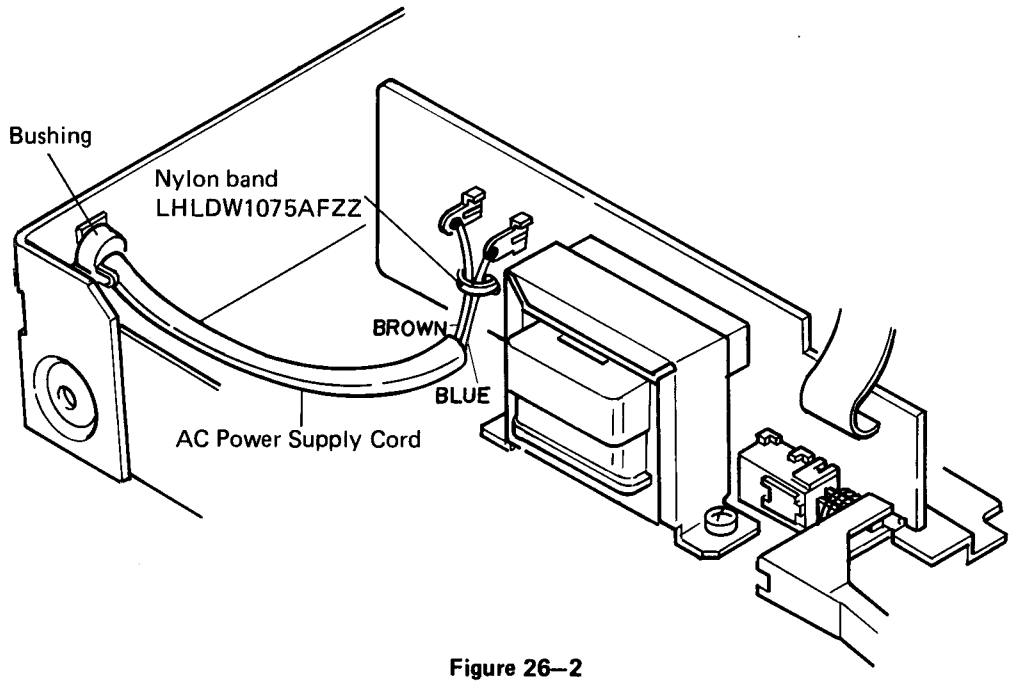


Figure 26–2

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